

**Team Inventory:**

Egg Men Industries

Cyle Lainson **·** Chad Ellsworth **·** Ryan Simmons

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**Team Member Profile:** Cyle Lainson



Relevant Classes:

Completed:

* + - **MAT316** - Linear Algebra
    - **CS301** - Ethics in Computer Science
    - **CS315** - Automata Theory
    - **CS386** - Software Engineering
    - **CS396** - Principles of Languages
    - **CS430** - Computer Graphics
    - **CS480** - Operating Systems
    - **CS499** - Contemporary Developments: Computer Security

In Progress:

* + - **CS413** - Virtual Worlds
    - **CS460** - Computer Networks
    - **CS470** - Artificial Intelligence
    - **CS486C** - Capstone

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Experience:

In high school, I had an internship at the IT Department for Tucson Unified School District. My main duties included maintaining, adding and removing the employee policies for the whole district. It also gave me direct exposure to the duties involved with being a webmaster of a major website by shadowing the webmaster for the TUSD site.

Last semester for CS386, my team chose a project to be submitted to the SCORE contest. Participating in this gave me experience with client interaction, drafting requirements, creating a design, structured program creation, and all the documentation for each step of the process. Our project revolved around a web based experience, we used Drupal to create a very complicated yet secure website.

Special Skills:

My organization skills make me an asset to my team. Communication becomes seamless by using tools like Microsoft Exchange on my cell phone to sync my calendar/schedule and have NAU emails pushed directly to my phone. Java has been my primary language since starting at NAU in 2008.

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A majority of the courses I have taken have used Java, making me very comfortable with the language. Last semester, I took a CS212 web programming class that introduced a breadth of valuable tools that have made me better equipped to create a quality website for the capstone project. My curriculum at NAU has exposed me to many different languages that have given me invaluable experience in the intricacies of programming.

Proficient

* Java

Known

* Web Development (HTML, Drupal, CSS, MySQL)
* C/C++
* Scheme
* Prolog
* Assembly

Interests:

My interests include new technologies and most everything outdoors so this project caught my interest initially due to the environmental implications. I enjoy using technology to enjoy the outdoors and would like the opportunity to use technology to protect it.

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**Team Member Profile:** Chad Ellsworth



Relevant Classes:

Completed:

* + - **MAT316** - Linear Algebra
    - **CS301** - Ethics in Computer Science
    - **CS315** - Automata Theory
    - **CS386** - Software Engineering
    - **CS396** - Principles of Languages
    - **CS430** - Computer Graphics
    - **CS480** - Operating Systems
    - **CS499** - Contemporary Developments: Computer Security

In Progress:

* + - **CS413** - Virtual Worlds
    - **CS460** - Computer Networks
    - **CS470** - Artificial Intelligence
    - **CS486C** - Capstone

Experience:

Actual work experience is limited, only a bit of database management and data entry over the summer. This is not the first time I worked in a group like this however. When I was in Software Engineering a year ago we worked in a group doing, in essence, a mini-capstone with a full project, client and all. We learned what the responsibilities of our team members were, how to develop a large project like this effectively, along with how to create various models of software. In addition, I worked with Ryan Simmons on that project and we developed an efficient working relationship, which will be unlikely to create any problems.

Special Skills:

When I attended Web Programming last semester I created ten separate web pages that fulfilled a wide variety of requirements. I learned how to create a web page using HTML, PHP, and My SQL, and then make it stylish through CSS.

Java – Four years experience.

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I am able to work efficiently with a group, and have a lot of experience in both a leading role and other duties. I’m also able to effectively communicate my thoughts and ideas in as simple a way possible, without losing any of the underlying complexity. I learned these skills through tutoring at Galveston Elementary School along with when I was in the Robotics Club at Chandler High. My leadership skills mostly stemmed from my experience as a Boy Scout of America, where I had to organize a large community service project in order to reach the rank of Eagle, the highest achievable.

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**Team Member Profile:** Ryan Simmons



Relevant Classes:

Completed:

* **MAT 316**: Introduction to Linear Algebra
* **CS 301**: Ethics in Computer Science
* **CS 315**: Automata Theory
* **CS 345**: Principles of Database Systems
* **CS 386**: Software Engineering
* **CS 396**: Principles of Languages
* **CS 413**: Virtual Worlds
* **CS 421**: Algorithms
* **CS 445**: Data Mining
* **CS 499**: Contemporary Developments – Game Production
* **CS 499**: Contemporary Developments – Computer Security

In Progress:

* **CS 470**: Introduction to Intelligent Systems
* **CS 480**: Operating Systems

Experience:

Unfortunately, I have yet to get a job in the field of computer science. My work experience is as follows (in chronological order from first to most recent):

Burger King: Crew member, promoted to shift manager

Sub Connection: Crew member

Metagraphix Communications: Packaging

NAU Residence Life Support Services: Grounds crew

Special Skills:

I am fluent in Java, and have been using it for about 6 years. I also have a good deal of experience in SQL, HTML, and Scheme and would consider myself quite proficient in those languages. I used Visual Basic quite frequently in the past, and was almost as comfortable with it as I am with Java, but I have not used it since high school. I have some experience with a wide variety of other languages, including C, C++, CSS, PHP, Perl, Assembly, Prolog, JavaScript, and Flash.

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| Cyle Lainson |
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| --- | --- |
| Experience | IT Department (Internship) Sept 2000 – April 2001  TUSD (Tucson Unified School District), *Tucson, AZ*   * Maintain navigability of employee policies. * Updating polices based on current TUSD policy |
|  | Participant in the SCORE Competition Aug 2010 – Jan 2011  QR Marks the Spot (NAU), *Flagstaff, AZ*   * Requirements Drafting * Design Drafting * Drupal plug-in development * Google Maps integration |
| Education | Pima Community College, *Tucson, AZ* Aug 2004 - Dec 2007   * AGEC-S Degree * Emphasis in Systems Administration |
|  | Northern Arizona University, *Flagstaff, AZ* Jan 2008 – Present   * Major: Computer Science * Graduation Fall 2011 |
| Skills | Proficient   * Java   Known   * Web Development (HTML, Drupal, CSS, MySQL) * C/C++ * Scheme * Prolog * Assembly |
| References | References are available on request. |

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| Chad Ellsworth | |
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|  | |
| Education | |
| Senior  Northern Arizona University, Flagstaff | Graduating December 2011 |
| * Major: Computer Science * Minor: Electrical Engineering w/ a Computer Science Emphasis | |
| Skills & Abilities | |
| Management and Leadership |  |
| * Eagle Scout, Boy Scouts of America: Held position of Senior Patrol Leader in which I helped organized meetings and activities for a troop of over 50 youths. * Robotics Team at Chandler High School, Member 2 years: Built two robots, one an underwater ROV for two separate competitions. * Robotics Club, Galveston Elementary: With the assistance of another student and my teacher I helped start the Robotics Club while in high school, where they won the Rookie of the Year Award at the FIRST LEGO League competition in Arizona. * Tutor, Galveston Elementary: Before starting the Robotics club, I tutored there for two years, two days a week. Most of the tutoring was helping elementary students with Math.   Proficiencies   * Java – 4 years experience * Web Programming – Limited Experience in HTML, PHP, My SQL. Able to make a webpage and use CSS to make it look elegant, in addition to a basic database. * Very limited experience in C++, Scheme, and Prolog – Primarily learned in Principles of Languages | |
|  | |
| Data Entry and Database Management  Reader’s Digest QSP | May 2010 – August 2010 |
| * Created efficient databases using Excel for inexperienced Computer Users * Basic Data Entry into databases |  |

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Ryan Simmons

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**EDUCATION**

Graduated Ironwood High School in 2007 in top 5% of the class

Currently attending Northern Arizona University

* My current GPA is 3.05
* I have finished the following upper-level technical classes:
  + MAT 316: Introduction to Linear Algebra
  + CS 301: Ethics in Computer Science
  + CS 315: Automata Theory
  + CS 345: Principles of Database Systems
  + CS 386: Software Engineering
  + CS 396: Principles Of Languages
  + CS 413: Virtual Worlds
  + CS 421: Algorithms
  + CS 445: Data Mining
  + CS 499: Contemporary Developments – Game Production
  + CS 499: Contemporary Developments – Computer Security
* I am also currently enrolled in the following upper-level technical classes:
  + CS 470: Introduction to Intelligent Systems
  + CS 480: Operating Systems

**ACTIVITIES**

High School

* Wrote for Ironwood's student paper, *The Eagle's Eye*, for 3 semesters, taking on the role of copy editor for the final semester
* Member of the Future Business Leaders of America
  + Took places in 3 competitions at the Arizona FBLA state-level competition in 2007, including:
    - 1st place, Visual Basic Programming
    - 2nd place, Business Calculations
    - Member of 3rd place team, Business Ethics

College

* Wrote 2 editorial pieces for the NAU student paper, *The Lumberjack,* in the spring of '08

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**SKILLS**

The language I am most comfortable with is Java. I also have a good deal of experience in SQL, HTML, and Scheme and would consider myself proficient in those languages. I used Visual Basic quite frequently in the past, and was almost as comfortable with it as I am with Java, but I have not used it since high school. Furthermore, I have varying levels of experience with:

|  |  |  |
| --- | --- | --- |
| * C | * C++ | * CSS |
| * PHP | * Perl | * Assembly |
| * Prolog | * JavaScript | * Flash |

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