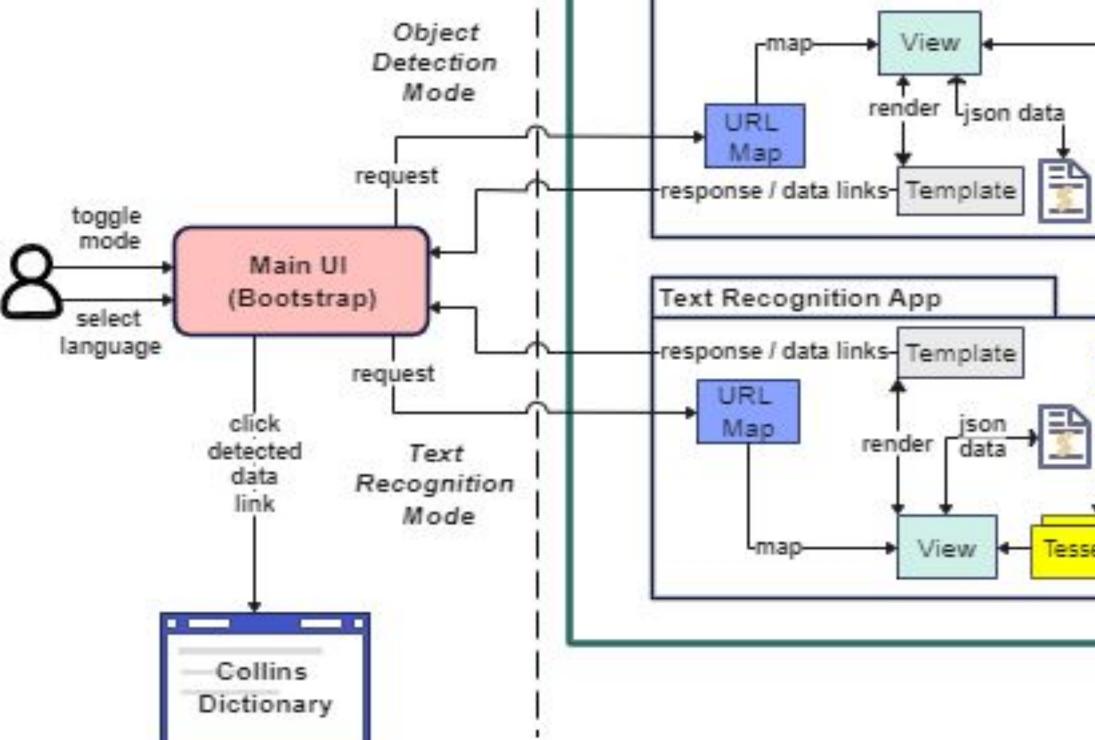


School of Informatics, Computing, and Cyber Systems

The Inspiration

Dr. Okim	access learn utiliz	Free, easily ible, language ing tool that es recent AR idvances
Who?	Anyone trying to le with access to a me	earn a new lang obile device
What?	A web-based mob the users' mobile co environment aroun translations in a ch	amera to scan d them for im
Why?	A lack of free languincorporate both of recognition technol	bject AND text
 Target Language Selector (English / Sp French / Korean available for initial dev Two Detection Modes: Object / Text External Learning Links to incorporate elements of word learning (visual, textue) 		
Architecture		
		e Backend Framework
	Object	Detection App



AR Object Detection / Text Recognition for Language Learning

LangLens | Stefan Mihailovic, Daniel Navarrete, Brian Ruiz, Sami Tanquary, Kyle Young **Client** Dr. Okim Kang, Department of English (TESL/Applied Linguistics), Northern Arizona University Team Mentor | Italo Santos

Object Detection guage ative Language Toggle G Select Language 🛛 🔻 LangLens Mobile Version ccesses to Text Mode the **1** Guide mediate inguage tools that to use. We understand that language is an panish / to learn and is something everyone should 合 Home Detect velopment) Detect all key ıal, auditory) \equiv Collins LangLens Mobile Version libro Spanish English ictionary Sentences Grammar Libro 0.38 English translation of 'libro' Engine libro 🌗 Lat Am 🌗 Spain MASCULINE NOUN OpenCV l.(= obra impresa) <mark>book</mark> an open book studying PILLOW a text book OpenCV See libro de bolsillo See libro de cabecera See libro de cocina

