Aaron Martin

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EDUCATION

Iowa State University, Ames, Iowa - *Bachelor's of Science in Computer Engineering*
AUG. 2017 - EXPECTED DEC. 2021

PROJECTS

Note Taking Web Application- *Spring 2020*
COM S 319 Construction of User Interfaces

- Learned **Javascript** and some **NodeJS**
- XML HTTP Requests to OpenCage Geocoder API

Hide and Seek App - *Fall 2019*
COM S 309 Software Development Practices

- Lead the frontend part of the team to build an **Android** app in **Java**
- Frontend team utilized **Android Volley** JSON requests with websockets to communicate with a server running SpringBoot made by the backend team
- Collaborative usage of **Git** with **CI/CD** workflow

Robot Navigation Software - *Spring 2019*
CPRE 288 Embedded Systems

- Embedded **C** programming on **ARM Microcontroller**
- Built text based CLI to communicate with robot using **UART**
- Accessed Microcontroller registers to interface with **PWM** servo, **IR** sensor, Ultrasonic sensor, and iRobot
- Navigation of robot in obstacle field

SKILLS

Java - 4.5 yrs	**C** - 3 yrs	**Python** 3 - 1yr	Hardware	Linux	Web
Data Struct. and **Algo.**	**Embedded Systems**	PyGame	**VHDL Verilog**	Some **GNU Bash**	**HTML/CSS**
Android	**Arduino**	Automate the Boring Stuff With Python	**MIPS** and some **ARM Assembly**	Systems Programming	**Javascript**
JUnit testing					Learning **NodeJS**