

Hector Manuel Rizo

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EDUCATION	Florida State University Major: Computer Science with Minor in English	May 2021 GPA: 3.65
TECHNICAL	Languages: C++ Python Java JavaScript C SQL HTML MIPS Tools: Docker Jenkins Kubernetes Jira Git Wiremock Vim Operating Systems: Linux UNIX Other: SSH-Key generation Raspberry Pi Google Cloud Services	
PROJECTS	Coronavirus Simulator (Python) - Visualized the effect of social distancing on state populations using a color-coded <u>GUI</u> application - Populated grid with data from Census Bureau and Covid-19 Case APIs - Generated <u>class diagrams</u> , wrote <u>Requirement documents</u> and leveraged <u>NumPy</u> and <u>Matplotlib</u> libraries	May 2020
	Phillip Must Go Down - Dungeon Crawler (Java Linux) - Collaborated on creating turn-based Dungeon crawler similar to Pokémon - Designed class interaction between four classes represented by their own <u>GUI</u> component - Worked with <u>Java Swing components</u> , version control with <u>GitHub</u> , and made executable JAR file	April 2020
	AirPort Flight Connection and Paths (C++ UNIX) - Developed program to track flight connections and highlight cheaper flight routes - Implemented <u>Queue</u> and <u>Level Order Search</u> to quickly find data and record of routes - Detected and eliminated memory leaks using <u>Valgrind</u> debugging tool	February 2020
EXPERIENCE	Lowe's Companies Inc – Mooresville, NC <i>Software Engineer Intern</i> - Automated <u>Rest API</u> response mapping, and hosted <u>Wiremock</u> server clone for application testing - Increased efficiency by creating <u>Web App</u> to edit responses without needing to rebuild <u>micro-services</u> - Deployed mock server and UI on <u>Google Cloud Platform</u> by leveraging <u>Kubernetes</u> , <u>Jenkins</u> , and <u>Docker</u>	May 2020 – July 2020
	Geek Sources Inc – Tallahassee, FL <i>Software Engineer Intern</i> - Developed emotion recognition model using <u>TensorFlow</u> and python - Experienced web development workflow in Azure and helped deploy web application - Wrote <u>Python Scripts</u> to help automate repetitive excel entry	Feb 2020 – May 2020
	FSU Department of Mathematics – Tallahassee, FL <i>Learning Assistant for Trigonometry</i> - Graded papers, kept track of student progress and communicated directly with professor - Organized communication amongst over 170 students - Designed and held <u>interactive tutoring</u> sessions with peers and professor	Aug 2019 - Dec 2019
INVOLVEMENT	TechNole – FSU Workshop Coordinator - Creating workshops for web development, machine-learning, and computer science concepts	June 2020 – Currently
	Catholic Student Union – FSU Member - Set goals for self-improvement and checked progress with team weekly	2017 – Currently
DISTINCTIONS	Harvard Python-Web course – Web Development course FSU Hackathon – Second Place – Project: roommate trash tracker FSU ACM Competition – Third Place – Lower division programing competition	Sept 2020 Oct 2019 Nov 2019