

Hector Manuel Rizo

(813)408-1056 | Hectormrizo@gmail.com | Tallahassee, FL | www.linkedin.com/in/hector-rizo

EDUCATION	Florida State University Major: Computer Science with Minor in English	August 2017 – April 2021 GPA: 3.621
-----------	--	---

STATEMENT: I have extensive experience solving practical problems with programming and critical thinking. I am motivated by encouraging others and trying new methods of solving problems.

TECHNICAL
Languages: C++ | Python | Java | JavaScript | C | SQL | HTML | MIPS
Tools: Flask | Docker | Jenkins | Kubernetes | Android SDK | Git | Wiremock | Vim
Operating Systems: Linux | UNIX
Other: SSH-Key generation | Raspberry Pi | Google Cloud Services

PROJECTS	Quid Bro Quo (Python HTML SQL) - Designed trading website with <u>Flask</u> framework and <u>SQLite</u> database - Increased efficiency of database by <u>normalizing</u> database schemas - Generated <u>ER-Diagrams</u> wrote <u>Requirement documents</u> and demoed project Physical Memory Dissection (C Linux) - Interpreted <u>Microsoft</u> documentation on <u>FAT</u> image storage device - Created <u>modular</u> solution to reading raw file data - Coordinated month long effort with team to deliver project on time, and documented 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	November 2020 Dec 2020 February 2020
----------	---	---

EXPERIENCE	Lowe's Companies Inc – Mooresville, NC <i>Software Engineer Intern</i> - Automated gathering information off Lowes Website - Increased efficiency by creating <u>Web App</u> to edit information scraped from automated program. - Deployed mock server and UI on <u>Google Cloud Platform</u> by leveraging <u>Kubernetes, Jenkins, and Docker</u> Geek Sources Inc – Tallahassee, FL <i>Software Engineer Intern</i> - Automated contract gathering to help business gather more leads - Demoed smile detection software built with <u>Python</u> and <u>TensorFlow</u> - Experienced web development workflow in Azure and helped deploy web application 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	May 2020 – July 2020 Feb 2020 – May 2020 Aug 2019 - Dec 2019
------------	--	---

INVOLVEMENT	TechNole – FSU Workshop Coordinator - Creating workshops for web development, machine-learning, and computer science concepts Catholic Student Union – FSU Member - Set goals for self-improvement and checked progress with team weekly	June 2020 – Currently 2017 – Currently
-------------	---	---

DISTINCTIONS	FSU Hackathon – Second Place – Project: roommate trash tracker FSU ACM Competition – Third Place – Lower division programming competition	Oct 2019 Nov 2019
--------------	--	------------------------------------