Joseph Sitton

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EDUCATION

Florida Institute of Technology
B.S. Computer Science   *08/2015 - exp. 05/2019*

Relevant Coursework: Algorithms and Data Structures, Computer Organization, Software Engineering, Artificial Intelligence, Database Systems, Operating Systems, Computer Graphics Algorithms, Geographic Information Systems, ERP Systems

Hellenic American University
Study Abroad in Athens, Greece   *06/2018*

EXPERIENCE

Kartis.IO, Melbourne, FL
Software Engineering Intern   *07/2018 - 10/2018*

- Mobile applications developer that designed front-end and back-end of a ridesharing application
- Used tools such as Xcode, Android Studio, and Firebase

PROJECTS

Exoplanet Observation Satellite

- Senior capstone project that engineered a prototype satellite and specialized in attitude control and laser communications
- Integrated a laser communication system as well as attitude control system using Arduino and Raspberry Pi with Python and C++

Rocket.Chat Server

- Worked with a team of four to fix various bugs in an open source chat client written in JavaScript
- Patched a UI redress vulnerability pertaining to file uploads that allowed CSS injections

Urban Terror Client

- Used C to redesign the open source game client by adding quality of life changes, new features, and custom skins

Parallel Sorting Research

- Conducted research on Florida Tech's *Blueshark* supercomputer to test the efficiency and speedup of the Bitonic sorting algorithm using C++ and OpenMP

Websites

- Used HTML, CSS, and Bootstrap to develop a personal website to showcase projects, experience, and résumé. Also created a website for a club in a similar fashion to host documents and progress reports.

SKILLS

Programming: C/C++, Python, Java, Javascript, Go, Ruby
Databases: MySQL, MS Access
Maths: Calculus I & II, Linear Algebra, Statistics
Other: Linux (Arch, Ubuntu), HTML/CSS, Adobe CC