

Joseph Sitton

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🐙 github.com/joesitton

EDUCATION

Florida Institute of Technology
B.S. Computer Science

08/2015 - exp. 05/2019

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

EXPERIENCE

Kartis.IO, Melbourne, FL
Senior Software Engineer

07/2018 - 10/2018

- Mobile applications developer that worked on both front-end and back-end
- Designed UI as well as database structure for a ride-sharing application

PROJECTS

Exoplanet Observation Satellite

- Senior capstone project involving engineering an attitude control system, laser communication system, and onboard data handling unit for a prototype satellite
- Integrated a laser communication system as well as attitude control system using Arduino and Raspberry Pi with Python and C++

Rocket.Chat

- 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

Parallel Sorting

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

Urban Terror

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

FIT NASA Student Launch Club

- Built a website from scratch using Bootstrap to showcase progress, documents, and designs

SKILLS

Programming: C++, Python, Go, JavaScript

Databases: MySQL, MS Access

Maths: Calculus I & II, Linear Algebra, Statistics

Other: Linux (Arch, Ubuntu), Vim, gdb, Adobe CC, MS Office