Lordique Solomon Fok

Software developer with international experience seeking challenging developer roles

https://lordique.github.io • (408) 759-0844 • lfok@mit.edu

Education

Massachusetts Institute of Technology: *Cambridge, MA* *June 2018*

- Candidate for Bachelor's Degree in Electrical Engineering & Computer Science (6-2)
- GPA: 4.9/5.0
- Selected Coursework: Computer Vision 6.819, Artificial Intelligence 6.034, Principles of Software Design 6.005, Algorithms 6.006, Microcontroller Project Lab 6.115, Computational Structures 6.004

Technical Work Experience

Ultimate Software: *Human Resources Software Company - Weston, FL* 5/16-8/16
Full Stack Developer

- Created a platform to exponentially speed up Ultimate Software's mobile testing by going from testing one device at a time to simultaneously testing many devices with different operating systems and manufacturers
- Designed and implemented project architecture using XCode, Node.js, Swift, Mongo DB, and Java
- Managed Agile flow for the project team of 2 intern developers and 1 tester
- Demoed platform in front of entire tester population at Ultimate HQ

MIT Space Propulsion Lab: *Precise Micro-Thrusters for Satellites - Cambridge, MA* 4/15-12/15
Software Engineer

- Wrote Python programs to maximize laser efficiency in the thruster manufacturing process, cutting laser usage costs by 20%
- Designed algorithms to automatically generate computer aided designs, reducing manual labor hours and resulting in processing time reduction by 500%

MIT Media Lab: *Designing Better Systems for All Parts of Society - Cambridge, MA* 12/14-5/15
UI/UX Engineer

- Created a 'smart' bicycle lock to enable a peer-to-peer bike sharing system in Cambridge that provides research data about commuters' commute habits and challenges
- Designed and machined lock to be modular, user-friendly, and weather-proof
- Performed user testing for lock and analyzed user feedback

Additional Experience

DynaMIT: *STEM Camp for Underprivileged Middle Schoolers - Cambridge, MA* 4/14-Present
Director

- Coordinate board members and mentors in a free STEM outreach program for local underprivileged middle schoolers
- Create a hands-on curriculum to engage over 80 students in mechanical engineering, E&M, biology, forensics, coding, and more, with a mentor-student ratio of 1:2.

Global Teaching Labs: *International STEM Teaching Program - Paju, South Korea* 1/16
Teacher

- Planned a 2-week workshop introducing 20 underprivileged Korean high schoolers to EECS
- Taught students who spoke only basic English advanced topics so that they could build, program, and understand a 4x4 LED cube from scratch
- Introduced students to additional topics in mechanical engineering, such as CAD, 3D printing, and design with constraints

Skills

- Coding languages: Python, Java, JavaScript, Node.js, Swift, R, HTML, CSS, Assembly
- Software skill sets: CAD (Computer Aided Design), Mongo DB, Mobile Dev, Graphic Design
- Interests: Sailing, Singing, Exploring, Climbing