

Matthew Kim

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EDUCATION

Johns Hopkins University

B.S. IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

Baltimore, MD | Expected May 2020

LANGUAGES

Java • Python • C • C++ • Javascript • HTML5 • CSS

TOOLS/APPLICATIONS

Git • Valgrind • JUnit4 • Android Studio • Xcode • IntelliJ IDEA • L^AT_EX • TERMINALFOUR • DigitalOcean • Postman • JIRA • Linux • NumPy • Pandas

FRAMEWORKS

Django • Flask • Bootstrap • Agile

DATABASES

Firebase • SQLite • MySQL

COURSEWORK

Algorithms
Data Structures
Artificial Intelligence
Object Oriented Software Engineering
Intermediate Programming
Computer System Fundamentals
User Interfaces and Mobile Applications
Blockchains and Cryptocurrencies
Python for Data Science Applications
Virtual Reality App Development
Discrete Mathematics
Probability & Statistics
Calculus III
Equity Markets and Quantitative Trading

LINKS

Personal Website:

<http://matthewkim.me>

Github:

<https://github.com/matthewsmkim1>

LinkedIn:

<https://www.linkedin.com/in/matthew-kim-941170142/>

EXPERIENCE

AMAZON | UPCOMING SDE INTERN

June 2019 – August 2019 | Seattle, WA

- Future Software Development Engineer Intern for Amazon

MEDHACKS | TECH-TEAM LEAD

January 2018 – Present | Baltimore, MD

- Reformed the organization's website from being a static website using Google Forms for applications, to a fully functional **dynamic website** with account creation, login/registration, travel reimbursement, team registration, and an application portal
- Led a team of 8 engineers to streamline the acceptance and travel reimbursement process, and greatly decreased approval process time
- New website received **tens of thousands** of views since creation, and garnered over **3000 users** in the first 5 months since launch

SIGNAL | PRODUCT MANAGEMENT INTERN

June 2018 – August 2018 | Chicago, IL

- Wrote project specifications and code to map **tens of millions** of client user IDs to our vendor IDs before transferring data from clients such as **Sony, EA, and McDonalds**
- Located discrepancies in our main internal product when onboarding data, then created epics and associated stories to transform the application to be more client facing in its transition to a self-servicing product
- Created several **JIRA** product boards to assist product managers and developers analyze what stories need to be completed in current and future sprints

JOHNS HOPKINS UNIVERSITY | COMPUTER SCIENCE RESEARCH ASSISTANT

September 2017 – December 2017 | Baltimore, MD

- Identified and tested code within android mobile applications that cause **disruptive app behavior**, especially pertaining to wake locks
- Wrote analyzation reports of android applications detailing app utilities, source of bugs, and potential triggers

UNIVERSITY OF MARYLAND | WEBSITE DEVELOPMENT INTERN

June 2017 – August 2017 | Baltimore, MD

- Redesigned and organized **hundreds of faculty** member biographies in the university's dental school website using the TERMINALFOUR web-management system
- Created new web pages and online content to attract potential University donors

PROJECTS

HQ-BOT | DEVELOPER

February 2018

- Helper bot for the HQ Trivia game application with **75% accuracy**
- Utilized QuickTime for phone mirroring, Tesseract OCR for text translation, and Google Custom Search API for querying and results

QUANTITATIVE TRADING ALGORITHM | DEVELOPER

February 2018

- In the process of creating a quantitative trading model for Equity Markets and Quantitative Trading course