

Matthew Kim

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EDUCATION

Johns Hopkins University

B.S. IN COMPUTER SCIENCE

Baltimore, MD | Expected May 2020

LANGUAGES

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

TOOLS/APPLICATIONS

Git • Valgrind • JUnit4 • Mockito • Android Studio
• Xcode • IntelliJ IDEA • L^AT_EX • TERMINALFOUR
• DigitalOcean • Postman • JIRA • Linux • NumPy
• Pandas • AWS EC2 • AWS S3

FRAMEWORKS

Django • Jersey • Flask • Bootstrap

DATABASES

Firebase • SQLite • MySQL

COURSEWORK

Algorithms
Data Structures
Artificial Intelligence
Object Oriented Software Engineering
Intermediate Programming
Computer System Fundamentals
Computer Networks
User Interfaces and Mobile Applications
Blockchains and Cryptocurrencies
Python for Data Science Applications
Virtual Reality App Development
Computer Science Innovation and Entrepreneurship
Linear Algebra and Differential Equations
Discrete Mathematics
Probability & Statistics
Calculus III

LINKS

Personal Website:

<http://matthewkim.me>

Github:

<https://github.com/matthewsmkim1>

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

EXPERIENCE

AMAZON | SOFTWARE DEVELOPMENT ENGINEER INTERN

June 2019 – August 2019 | Seattle, WA

- Designed and constructed a complex excel upload system that will be available to the over 200,000 monthly active Alexa Blueprints users
- Created new JSON schema that details the format of each blueprint's excel file
- Implemented APIs for the new upload system using the Jersey framework to both programmatically create excel templates from excel and data JSON schemas, and to parse excel files for relevant skill data in order to create an Alexa Skill

MEDHACKS | TECH-TEAM LEAD

January 2018 – Present | Baltimore, MD

- Transformed the organization's website from being a static webpage, 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, over 5000 accounts have been created and thousands of applications submitted

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

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

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

PROJECTS

HQ-BOT | DEVELOPER

February 2018

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