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 • LaTeX • TERMINALFOUR • DigitalOcean • Postman • JIRA • Linux

FRAMEWORKS

Django • Flask • Bootstrap • Agile

DATABASES

Firebase • SQLite • MySQL

COURSEWORK

Algorithms
Approximation Algorithms
Quantitative Portfolio Theory and Performance Analysis
Equity Markets and Quantitative Trading
Blockchains and Cryptocurrencies
Parallel Programming
Data Structures
Object Oriented Software Engineering
Intermediate Programming
Computer System Fundamentals
User Interfaces and Mobile Applications
Virtual Reality App Development
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

MEDHACKS | TECH TEAM LEAD
January 2018 – Present | Baltimore, MD
- Leading a team of 8 engineers to streamline the acceptance and reimbursement process, and greatly decrease approval process time
- 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
- 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/code for a new tool to map **tens of millions** of client user IDs to our vendor IDs before transferring data
- 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

VISION INTERCHANGE | UI/UX INTERN
June 2017 – August 2017 | Baltimore, MD
- Designed the front-end infrastructure for an E-commerce marketplace to allow consumers to trade eyewear with each other at affordable prices
- Drafted and presented UI mockups of each page to overhaul their previous website
- Rendered digital frames for the virtual reality frames try-on system through Photoshop editing to increase the conversion rate of purchasing a product
- Produced digital photography content for social media marketing to increase customer click through rate

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

FOREX TRADING BOT | DEVELOPER
February 2018
- Created an automated trading bot on Oanda to buy/sell currencies in the Foreign Exchange Market using python scripts
- Alpha strategy derived using a combination of technical and fundamental analysis to locate and exploit trends specifically in EUR/USD

HQ-BOT | DEVELOPER
February 2018
- Helper bot for the HQ Trivia application with **75% accuracy**
- Utilized QuickTime for phone mirroring, Tesseract OCR for text translation, and Google Custom Search API for querying and results