Arlene Siswanto

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COURSEWORK

6.046 - Design and Analysis of Algorithms
6.031 - Elements of Software Construction
6.034 - Artificial Intelligence
6.004 - Computation Structures
6.006 - Introduction to Algorithms
6.009 - Fundamentals of Programming
6.178 - Software Engineering

DEVELOPMENT

Languages - Python, Java, Javascript (Typescript)
Skills and Frameworks - Angular, Node.js, Git

DESIGN

Tools - Sketch, InVision
Past work - UI/UX design for Meter (mobile/web), TrueTracker (web), hackathon projects (mobile)

AWARDS/HONORS

2017 - Best Travel App (Amadeus, Concur), HackMIT
2017 - 2nd Place Prize, PennApps
2017 - Best IoT Hack, HackPrinceton
2017 - Top 10 Hack, MakeMIT
2015 - AIME Qualifier

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EDUCATION

Massachusetts Institute of Technology | Cambridge, MA — Sep '16 - present
- Candidate for B.S. in Computer Science and Engineering

Mark Keppel High School | Los Angeles, CA — Sep '12 - May '16
- Valedictorian of 550, 4.81 GPA

WORK EXPERIENCE

TrueMotion - Software Engineering Intern | Boston, MA — Jun '17 - Aug '17
- Implemented a data visualization platform to accelerate the development and performance of machine learning models
- Developed a complete Angular 2 web application using Node.js and Webpack
- Designed all UI/UX from initial mockups to full visualizations

MIT CSAIL - Undergraduate Researcher | Cambridge, MA — Jan '17 - Mar '17
- Worked in the Computational Cognitive Science group
- Helped perform experiments to infer human intention with computational models created through computer vision
- Studied inductive leaps through rational choice theory and Bayesian inference

Wag - Marketing and Sales Intern | West Hollywood, CA — Jun '16 - Mar '16
- Worked with the founding team to expand B2B partnerships
- Managed marketing campaigns with companies using Salesforce

PROJECTS

Meter — Mar '17 - present
A sharing-economy service that allows owners of unused parking spaces to list and lend their spots for discovery by drivers in the area
- Developed web application, designed user experience for web and mobile app
- Received Sandbox seed funding and conducted intensive market research

PillAR — Sep '17
PennApps XVI Second Place Prize | *PennApps*
Augmented reality application that allows users to keep track of their medications using Google Vision API's image classification and web scraping

Mnemonic — Mar '17
Best IoT Hack | *HackPrinceton*
A social companion worn as a necklace that keeps track of acquaintances by recognizing faces and reminding the wearer their name with a curated summary
- Used IBM's AlchemyLanguage API to analyze speech and extract key information
- Helped design the wearable with Raspberry Pi, camera, mic, and raw materials

Keyper — Feb '17
Top 10 Hack | *MakeMIT*
A system that introduces security and personalization for technologies powered by voice command and facial recognition; Demoed with Amazon Echo and IoT lockbox
- Created an Amazon Alexa Skill to handle speech; integrated Facial Emotion APIs