Arlene Siswanto

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COURSEWORK

6.857 - Computer and Network Security (Grad)
6.046 - Design of Algorithms
6.034 - Artificial Intelligence
6.033 - Computer Systems
6.031 - Software Construction
18.600 - Probability and Random Variables
6.869 - Advances in Computer Vision (Grad, Fall '18)
6.840 - Theory of Computation (Grad, Fall '18)

SKILLS

Languages - Python, Java, C++, Javascript, Typescript, SQL
Tools - Angular, Flask, Node.js, HTML/CSS, Git
Design - Sketch, InVision

ACTIVITIES

Organizations - MIT ProjX, Sandbox
Programs - Jane Street INSIGHT, JPMorgan Winning Women Invitee, BlackRock Forum
HackPrinceton '18 - Best AR/VR Hack, 1517 Fund Prize
PennApps '17 - PennApps XVI Second Place Prize
HackMIT '17 - Best Travel App
HackPrinceton '17 - Best IoT Hack
MakeMIT '17 - Top 10 Hack
AIME '15 - Top 5% of AMC takers

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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

EXPERIENCE

Bloomberg - **Software Engineering Intern** | New York, NY — Jun '18 - Aug '18
- Developed on the Execution Management System (EMSX) trading platform, an application used by over 20,000 traders and brokers to execute orders
- Created base model for the new action framework, implemented backend logic

IBM - **Software Engineering Intern** | Cambridge, MA — Jan '18 - Feb '18
- Developed internal Angular platform for the Human-AI Interaction group
- Gamified the process of fostering connections between IBM researchers

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 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
- Helped perform experiments to infer human intention through computer vision
- Studied inductive leaps through rational choice theory and Bayesian inference

PROJECTS

Diff — Apr '18 - May '18

A publicly accessible platform that allows data scientists, researchers, and holders of data to share datasets in a differentially private manner
- Developed Angular application with backend interaction, deployed app to Heroku

AnnotateAR — Mar '18

Best AR/VR Hack, 1517 Fund Prize | HackPrinceton

A real-time, collaborative augmented reality platform that allows teachers to annotate the physical world as simply as it is to add comments to Google docs
- Integrated Wolfram Alpha's Graph API through a backend Flask application

Meter — Mar '17 - Dec '17

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 through Google Vision API's image classification and web scraping