

Arlene Siswanto



siswanto@mit.edu



(626) 872-7820



http://arlenesiswanto.me

COURSEWORK

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

SKILLS

Languages - Python, Java, C++, Javascript, Typescript, SQL

Tools - Angular, Flask, Node.js, HTML/CSS, Git

Design - Sketch, InVision

ACTIVITIES

- Organizations** - 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, Minor in Mathematics
- 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
- PiIAR** 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