

# Arlene Siswanto



(626) 872-7820



siswanto@mit.edu



<http://arlenesiswanto.me>

## 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



[devpost.com/arlenesiswanto](https://devpost.com/arlenesiswanto)



[/in/arlenesiswanto](https://in/arlenesiswanto)



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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