Arlene Siswanto

✉ siswanto@mit.edu ☎ (626) 872-7820 </> http://arlenesiswanto.me

COURSEWORK

6.883 (Grad) - Modeling with Machine Learning

6.819 (Grad) - Computer Vision

18.650 - Statistics

18.600 - Probability

18.065 - Matrix Methods for Data Analysis and ML

6.S974 (Grad) - Decentralized Applications

6.857 (Grad) - Computer Security

6.840 (Grad) - Computation

6.046 - Algorithms

6.033 - Computer Systems

6.031 - Software Construction

SKILLS

Languages - Python, C++, Java, Javascript, Matlab, R

Tools - React, Angular, Flask, Node, HTML/CSS, Git, AWS

Other - Design, Product

ACTIVITIES

HackPrinceton '18 - Best AR/VR Hack, 1517 Fund Prize

PennApps '17 - PennApps XVI Second Place Prize

HackMIT '17 - Best Travel App

HackPrinceton '17 - Best Internet of Things Hack

MakeMIT '17 - Top 10 Hack

AIME - Top 5% of AMC takers

Organizations - ProjX, Sandbox

devpost.com/arlenesiswanto

/in/arlenesiswanto

arlenesiswanto.me

EDUCATION

Massachusetts Institute of Technology | Cambridge, MA   *Sep '16 - present*
- Candidate for B.S. in Computer Science, Minor in Mathematics

EXPERIENCE

Jump Trading - Incoming Software Intern | Chicago, IL   *Jun '19 - Aug '19*
- Will develop trading platform as a software engineering intern

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*
- Computer vision project aimed at inferring human intention prior to an action
- Batch processed large quantities of Kinect data

PROJECTS

Image Colorizer   *Fall '18*
Generates colored images from black-and-white inputs. Utilizes ResNet for image classification and category-specific convolutional neural networks
- Scraped and preprocessed images, designed CNN and trained colored images

BeaverDocs   *Fall '18*
A collaborative, peer-to-peer editor that allows multiple users to edit the same document without a central server. Implements a conflict-free replicated datatype for quick insert and delete and a peer-to-peer broadcasting system

Diff   *Spring '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

Meter   *Spring-Fall '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
- Received Sandbox startup funding and conducted intensive market research

PillAR   *Fall '17*
PennApps XVI Second Place Prize | PennApps
Augmented reality application that allows users to keep track of their medication intake through Google Vision API's image classification and web scraping