Wilson Yu

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EDUCATION

CARNEGIE MELLON UNIVERSITY
Aug 2016 - Dec 2019

B.S. Information Systems
- Human-Computer Interaction
- Statistics

Cumulative GPA	3.93
Major GPA	4.0

COURSEWORK

DESIGN
Interaction Design (Master's)
Designing Human-Centered Software

COMPUTER SCIENCE
Machine Learning (Master's)
iOS Mobile Application Development
Application Design & Development
Database Design & Development
Algorithms & Data Structures
Web Application Security
Data Mining

MATHEMATICS
Stochastic Modeling
Linear Algebra
Probability Theory
Statistical Inference
Modern Regression
Multivariate Calculus

SKILLS

PROGRAMMING
Python | Java | Matlab | Ruby | R | C

WEB DEVELOPMENT
React | Redux | Rails | Django
HTML | CSS | Javascript

DATABASES
SQL | MongoDB | Redis

MISC
InDesign | Minitab | Excel | LATEX

EXPERIENCE

CAPITAL ONE | Software Engineering Intern
Jun 2019 – Aug 2019 | McLean, VA
- Identified areas of my team's workflow that could be optimized by technical solutions and blueprinted several strategies to seize these opportunities
- Created a data pipeline to automate the team's manual data retrieval, processing, and visualization tasks, as well as connect to and calculate new metrics from a previously inaccessible data source
- Designed, implemented, and user tested a web application so the team could use the pipeline and other simple, convenient tools

CLEARWATER ANALYTICS | Software Development Intern
May 2018 – Aug 2018 | Boise, ID
- Designed and developed an internal full-stack web application for processing financial data with other interns
- Worked with React/Redux for the frontend and Java/SQL for the backend

CARNEGIE MELLON UNIVERSITY | Teaching Assistant
Jan 2017 – May 2018 | Pittsburgh, PA
- Methods for Statistical Data Science
- Matrix Algebra with Applications

DRAGON CONSTRUCTION | Construction Laborer
May 2016 – Jan 2019 | Washington, DC Area

PROJECTS github.com/wiyu98

ENGEE | github.com/wiyu98/engee
- Developed a web application to teach and enable lay users to use machine learning to analyze datasets via an easy-to-use GUI.

SCHEDULIZE | github.com/wiyu98/schedulize
- Developed a program to suggest courses to CMU students, using a recommender system, latent semantic analysis, and decision trees
- Designed the user interface which won Best Design

ACTIVITIES

COMPUTING FOR GOOD | Latham St. Commons
- Worked with a non-profit organization to design a work recommendation system to match disadvantaged young adults to employers

MONEYTHINK
- Mentored high school students about personal finance to increase financial literacy and economic empowerment