Wilson Yu

wiyu98.github.io

yu.wilson.b@gmail.com | (240) 543-9080

Rockville, MD | Pittsburgh, PA

EDUCATION

CARNEGIE MELLON UNIVERSITY
Aug 2016 - Dec 2019

B.S. Information Systems
Human-Computer Interaction
Statistics

Cumulative GPA	4.0
Major GPA	4.0

COURSEWORK

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

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

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

SKILLS

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

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

DATABASES
SQL | MongoDB | Redis

MISC
InDesign | Minitab | Excel | LATEX

EXPERIENCE

CAPITAL ONE | Software Engineering Intern
Jun 2019 – Aug 2019 | McLean, VA

CLEARWATER ANALYTICS | Software Development Intern
May 2018 – Aug 2018 | Boise, ID
- Worked on a team with other interns to design and develop an internal full-stack web application for processing financial data
- Developed user interface for CRUD operations using React and Redux
- Implemented RESTful web services, ETLs, and DAOs in Java backend
- Designed and implemented databases and stored procedures in SQL

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 – Aug 2018 | Washington, DC Area

PROJECTS

ENGEE | TartanHacks Feb 2018
- https://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 | HackCMU Sep 2017
- https://github.com/wiyu98/Schedulize
- Developed a program to suggest courses to students based on their current schedule, past courses, and preferences
- Built and used a recommender system, latent semantics analysis, and decision trees in Python to find optimal courses
- Designed the user interface which won Best Design

ACTIVITIES

COMPUTING FOR GOOD
- Worked with a non-profit organization, Latham St. Commons, to design and develop an on-demand work recommendation system to match disadvantaged young adults to employers
- Emphasis on increasing social interaction and awareness

MONEYTHINK
- Mentored high school students on various issues concerning personal finance to increase financial literacy and economic empowerment