

Wilson Yu

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EDUCATION

CARNEGIE MELLON UNIVERSITY

Pittsburgh, PA | Exp. Graduation: May 2020

B.S. IN INFORMATION SYSTEMS
& HUMAN-COMPUTER INTERACTION

Quantitative Social Science Scholar
Dean's List with High Honors
Cumulative GPA: 4.0 / 4.0

COURSEWORK

CURRENT

Interaction Design Studio
Web Application Security
Modern Regression
Entrepreneurship
Human Information Processing

PAST

Machine Learning (Master's)
Application Design & Development
Database Design & Development
Algorithms and Data Structures
Mathematical Proofs and Concepts
Stochastic Modeling
Linear Algebra
Multivariate Calculus
Probability Theory
Statistical Inference

SKILLS

PROGRAMMING

Java • Python • Ruby • R • C

WEB DEVELOPMENT

React • Redux • Rails
HTML • CSS • JavaScript/Typescript

DATABASES

SQL • MongoDB • Redis

MISC.

InDesign • Minitab • Excel • \LaTeX

EXPERIENCE

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

- Taught a recitation for Matrix Algebra with Applications
- Supervised labs for Methods for Statistical Data Science
- Tutored students, graded coursework, and maintained student records

DRAGON CONSTRUCTION, INC. | CONSTRUCTION LABORER

May 2016 – August 2018 | Washington DC Metro Area

- Apprenticed in carpentry, electrical wiring, painting, plumbing, etc.
- Assisted in home renovation and repairs

PROJECTS

ENGEE | TARTANHACKS 2018

Feb 2018 | Pittsburgh, PA

- Developed a web application to teach and enable lay users to use machine learning to analyze datasets via an easy-to-use GUI.
- The repository for this project can be found at:
<https://github.com/wiyu98/Engee>

SCHEDULIZE | HACKCMU 2017

Sep 2017 | Pittsburgh, PA

- Developed a program to suggest courses to students based on their current schedule, past courses, and preferences
- Built a recommender system, latent semantics analysis, and decision trees in Python to find optimal courses
- Designed the user interface which won Best Design at HackCMU

ACTIVITIES

COMPUTING FOR GOOD

- Working with a non-profit organization, Latham St. Commons, to develop an on-demand work recommendation system to match disadvantaged young adults to employers

MONEYTHINK

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