

Wilson Yu

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Rockville, MD | Pittsburgh, PA

COURSEWORK

CURRENT

Interaction Design Studio
Web Application Security
Human Information Processing & Artificial Intelligence
Modern Regression

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

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

EDUCATION

CARNEGIE MELLON UNIVERSITY

B.S. IN INFORMATION SYSTEMS
ADDITIONAL MAJOR IN HUMAN-COMPUTER-INTERACTION
Pittsburgh, PA | Expected Graduation: May 2020
Quantitative Social Science Scholar
Dean's List with High Honors
Cumulative GPA: 4.0 / 4.0

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 2017 | 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