

Jonah Osband

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EDUCATION

University of Pittsburgh, Pittsburgh, PA
Bachelor of Science in Computer Science

Degree Expected: April 2024

GPA: 4.0

RELEVANT COURSEWORK

Data Structures and Algorithms ♦ Discrete Structures for Computer Science ♦ Introduction to Systems Software ♦
Computer Organization and Assembly ♦ Linear Algebra ♦ Calculus 1 & 2

PROJECTS

Chess Game (April 2022-May 2022)

GitHub: [josband/java-chess](#)

- Employed Java and Object-Oriented Programming to create a game with an interactive Java Swing based GUI
- Evaluated optimal data structures to use based on required tasks such as Linked and Array Lists
- Utilized polymorphism and dynamic binding for simple use of various piece objects

Personal Website (December 2021-January 2022)

GitHub: [josband/josband.github.io](#)

- Applied HTML to structure multiple pages containing my resume and important links
- Implemented CSS styling to create an engaging interface and experience
- Linked the Font Awesome library and toolkit to create a clear and simple interface

Best Neighborhood in Pittsburgh (April 2021)

GitHub: [josband/CMPINF10_Final_Project](#)

- Utilized Python, Jupyter Notebooks, Pandas, GeoPandas, Matplotlib, and NumPy to find the best neighborhood in Pittsburgh according to crime rates, age of housing, and population density
- Coordinated repositories and meetings with two teammates to ensure organization and confidence of conclusions
- Analyzed and interpreted data of 90 neighborhoods in the City of Pittsburgh using NumPy and Pandas for statistical analyses
- Employed Matplotlib and GeoPandas to present results in a visually compelling manner

TECHNICAL SKILLS

- Java, C, HTML, CSS, & Python (Packages: Pandas, GeoPandas, Matplotlib and NumPy)
- Development in Windows and Linux environments
- Object-Oriented and Procedural Programming

LEADERSHIP EXPERIENCE

University of Pittsburgh, School of Computing and Information, Pittsburgh, PA

Undergraduate Teaching Assistant

August 2021-December 2021

- Led two-hour lab sessions teaching Jupyter Notebooks, Python, Pandas, GeoPandas, Matplotlib, Git, and NumPy
- Hosted office hours where I worked one-on-one with students to review and reinforce lab material
- Coordinated efficient ways to explain material and improve teaching styles with other UTAs and the Professor

TopGolf, Germantown, MD

Caddie Shift Lead

April 2021-August 2021

- Led teams of three associates serving beverages to 102 bays on three floors
- Responsible for coordinating the delivery of over \$4,000 worth of drink sales per shift
- Provided floating support at the front and back of house levels
- Maintained health and safety standards on the main floors and in beverage stations

Darnestown Swim and Racquet Club, Darnestown, MD

Assistant Tennis Coach, Junior Coach

June 2013-June 2020

- Developed a daily curriculum for 100 students for age ranges 3-65 by selecting skills to focus on
- Monitored up to 15 students while providing feedback on technique
- Acted as the primary point of contact and led 5 coaches when the head coach was absent

ACTIVITIES

Club Tennis, University of Pittsburgh *Member*

September 2020-Present

Pitt Computer Science Club *Member*

September 2020-Present