Alex Giacobbi

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(480) 442-0532

EDUCATION

Gonzaga University   **August 2017 - May 2021**
Bachelor of Science, Computer Science
Mathematics Minor
3.89 Overall GPA | President's or Dean's list all semesters

EXPERIENCE

Research Assistant   **August 2018 - Present**
Gonzaga University Department of Computer Science
- Automate the extraction of audio features from a large recorded speech corpus using Python
- Process extracted data and prepared for statistical analysis using Python

Teaching Assistant   **August 2019 - Present**
Gonzaga University Department of Computer Science
- Tutor students in computer science topics, and implementation in C++, Python
- Develop test programs to grade student assignments
- Courses: Intro to Computer Science II (2 semesters), Natural Language Processing (1 semester)

Software Engineering Intern   **June 2020 – August 2020**
Expedia Group
- Developed an application to aggregate user identity and application access data from multiple Okta tenants
- Onboarded SAML and OIDC applications to Okta SSO platform

Undergraduate Researcher   **May 2019 – July 2019**
University of Rochester, Goergen Center Institute for Data Science
- Processed audio, text, and facial feature vectors from large set of video interviews using Python
- Trained and optimized regression and classification models with scikit-learn and Optuna to predict interview performance given a feature vector.

Web Development Intern   **June 2018 – August 2018**
Farran Media
- Developed admin tool to connect company contact information to their MS SQL Server database
- Created a page using C#/.NET for employees to update information and connected corresponding page to reflect changes

COURSEWORK

Computer Science
Algorithms and Abstract Data Structures, Software Engineering, Computer Security, Database Management Systems, iOS App Development, Android App Development, Speech and Natural Language Processing

Mathematics
Calculus I-III, Ordinary Differential Equations, Linear Algebra, Discrete Structures, Chaos and Dynamical Systems, Statistics for Experimentalist

SKILLS

Languages and Frameworks
Python, Java, C++, C, SQL, Swift, Spring, HTML, CSS, C#

Tools
Git, Agile methods, Github, Android Studio, XCode, JetBrains IDEs, Remote Desktop, Linux