

Austen Nelson

ajn6@pdx.edu — (971) 806-9229 — aujxn.dev — Software Engineer / Data Scientist

Education

Portland State University — BCS

Bachelor of Computer Science — completed May 2021 — Magna cum laude

Experience

Self Employed | 2014 – 2017 | Math and Science Tutor

Operated a small personal business where I mostly tutored calculus to engineering students.

Portland State University | 2019 – 2021 | Technical Course Support Specialist

Karla Fant teaches a majority of the lower division compute science courses (CS162, CS163, CS202) at PSU
Supported her courses by:

- Facilitate homework recitation and labs
- Proctor programming proficiency demos and written exams
- Create course materials
- Grading and administrative tasks

Portland State University | 2019 – 2020 | Undergraduate Research Mentorship Program

Received a 4 term academic stipend to pursue independent research. My research project worked with recipe data to create ingredient networks. These networks were analyzed as communities using modularity algorithms and then the communities were used to create original recipes based on certain constraints. Project involved meeting with my adviser weekly and giving write-ups or presentation to the program manager.

Capstone Project Team Lead | 2021 |

Was selected by university staff to be a team lead position for the capstone graduation requirement. Our capstone project was to develop university level codelab exercises to teach concepts about cloud security and incident management through topics like IAM policies and iterative log querying. More information about this project.

Skills

- Rust
- SQL
- C / C++ 98
- Python
- Git
- Linux / Docker