

ZACHARY TAYLOR

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EDUCATION

Oregon State University

Sep. 2018 - Jun. 2022

B.S. in Computer Science (in progress)

GPA: 3.62/4.00

- Relevant coursework: Cyber Attacks and Defense, Cryptography, Operating Systems I/II, Introduction to Security, Algorithms, Data Structures, Cloud Application Development, Computer Architecture and Assembly Language, System Administration, Introduction to Networks, Software Engineering I/II

Oregon State University

Sep. 2017 - Jun. 2022

B.S. in Mathematics (in progress)

GPA: 3.48/4.00

- Relevant coursework: Applied and Computational Number Theory, Numerical Linear Algebra, Abstract Algebra, Discrete Mathematics

WORK EXPERIENCE

Oregon State Office of Information Security

Jan. 2020 - Jun. 2021

Operation Security Analyst

Corvallis, OR

- Network monitoring and threat hunting on university system.
- Monitor and report phishing emails sent to university students/employees.
- Develop tooling to allow for more efficient analysis of network traffic.

Oregon State College of Engineering

Jan. 2020 - Jun. 2021

Undergraduate Learning Assistant

Corvallis, OR

- Learning assistant for: Operating Systems I, Data Structures, Computer Architecture and Assembly Language, Introduction to Computer Science I/II.
- Managed labs and recitations with 30 individuals both online and person.
- Furthered student understanding by assisting in debugging and clarifying difficult concepts.
- Wrote grading scripts to speed up the grading process.

Oregon State University Housing and Dining Services

Jan 2018 - Mar. 2020

Training Assistant/Student Worker

Corvallis, OR

- Taught new employees standards and methods to execute the their job correctly.
- Delegated tasks to multiple individuals ensuring that time-sensitive tasks are accomplished.
- Assisted in food production before the beginning of a meal service to ensure a prompt opening.
- Provided a pleasant and welcoming atmosphere for customers.

PROJECTS

- **Covid-19 Tracing Application** – Developed a basic contact tracing web application for Covid-19 for the 2020 MakeUC Hackathon. Relevant data stored in a database and supplied to client through API calls.
- **Recipe Application** – Developed a recipe application for CS 340 that allows users to login, find, rate, and locate ingredients for a variety of recipes using a MariaDB backend.
- **Capture the Flag Competitions** – Competing with the Oregon State Security Club (OSUSEC) in CTF's. Main focus on cryptography challenges.

SKILLS

Programming:	C, C++, Python, JavaScript, Bash
Web & Databases:	Node.js, MySQL, MongoDB
Tools & Technologies:	Wireshark, Ghidra, GDB, Linux CLI, (minimal) Kali Linux

AWARDS

- MakeUC Hackathon Wolfram Award Oct. 2020
- 2nd place in DamCTF Oregon State Division Oct. 2020