RYAN CRYAR

967 SW 15th st. Unit 201 ⋄ Corvallis, OR 97330
(925) · 519 · 1703 ⋄ cryarr@oregonstate.edu

EDUCATION

Oregon State University *August 2020*
B.S. in Computer Science
Option in Security

SKILLS

- Communicates effectively and efficiently with students and coworkers, works well in teams.
- Expertise in GNU/UNIX, experience in kernal development.
- Expertise in C++, C, python, bash, and LaTeX. Experience in Java, x86 Assembly, SQL, Apex, Javascript, Node.js. Familiarity C#, GO, and rust.
- Python modules such as keras, numpy, TensorFlow.
- Adapts quickly to situations while being able to learn efficiently.
- Cryptography, Usable Security, Network Security, Algorithm analysis and implementation.
- OpenGL, Paraview, data visualization, and 2D/3D graphics.
- Experience in GIS applications and GPS.

EXPERIENCE

Oregon State University Graduate School June 2018 - Present
Full stack Developer/Analyst *Corvallis, OR*

- Development of software used by students and faculty of the graduate school.
- Experience working in dynamic teams and tight deadlines.
- Projects include: graduate school application, a digital program of study, and graduate application customization.
- Occasional technical support, interacting with customers and helping through technical problems as well as communicating with graduate program coordinators.

Oregon State University School of EECS December 2017 - June 2018
CS 16X Teaching Assistant *Corvallis, OR*

- Holding labs, and hands on programming workshops
- Holding recitations teaching up to 40 students
- Writing lesson plans to assist in the education of students
- Quickly understanding problems and developing answers to assist students programming assignments

Oregon State University Dept. of Biochem and Biophysics April 2017 - December 2017
Undergraduate Researcher *Corvallis, OR*

- Conducted research in bioinformatics.
- Team lead on project focusing on hairpin detection in MicroRNAs with machine learning, specifically recurrent neural networks and bi-directional LSTMs.
- Performed statistical analysis on data outputs.
- Learning modules and languages within a short period of time to meet deadlines

PROJECTS/PAPERS

Usability of End-to-end Encryption (E2EE) Chat Services June 2019
Co-Author

Paper analyzing the usability of End-to-end encryption chat services, for a class on Usable Security

Detections of Hairpins in MicroRNAs with machine learning September 2017 - December 2017
Lead

Project focusing on the detection of Hairpins in MicroRNAs with machine learning, in the department of Biochemistry and Biophysics