

RYAN CRYAR

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EDUCATION

Oregon State University
B.S. in Computer Science
Option in Security

August 2020

SKILLS

- Communicates effectively and efficiently with students and coworkers, works well in teams.
- Expertise in GNU/UNIX, experience in kernel 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, and
- 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
Full stack Developer/Analyst

June 2018 - Present
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
CS 16X Teaching Assistant

December 2017 - June 2018
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
Undergraduate Researcher

April 2017 - December 2017
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