



# Ryan Persson

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## Education:

GPA: 3.47

Oregon State University B.S Mathematics, Computer Science Minor.

Anticipated graduation Fall 2021.

## Work Experience:

**Software Engineering Intern** with TechSoft 3D, Inc.

(Feb 2020 – present) [current employer, do not contact.]

- Built a Winston logger inside a containerized Express.js server which forwarded server errors via webhook to a Slackbot that notified our team via a slack channel.
- Presented a webinar/tutorial on manipulating & working with the object-model tree in Hoops.js.
- Moved several JavaScript based webapps for viewing 3d CAD models to GitHub pages by building a static version with webpack.

**Freelance Website Design** at Self-employed.

(2018 - 2019)

- Built various websites for local small businesses using technologies & services like webpack, bootstrap, MailChimp, JavaScript, modified CSS, Firebase & Heroku. See examples on [my portfolio website](#).

**Wildland Firefighter** with Pacific Oasis Inc & Alaska Wildland Support.

(June 2016 – September 2019)

- Squadboss trainee for 2 years.
- Managed squad of 3-5 people in high stress situations.
- Managed risks & maintained good communication with superiors in high-risk environments.

**Math Tutor** at Oregon State University and SOU

(September 2017 – December 2018)

- Tutored Calc I-IV, Linear Algebra, Diff. Eq & Stats.
- Clearly communicated complex topics to students.

**Personal Projects:** (All links are clickable)

**Zettelkasten Task Management & Note Taking App:**

- Personal, graph based, task and time management + note taking system I use daily.
- Built using a combination of Bash & Python scripting, modified VSCode extensions for editing & supporting hyperlinks, LaTeX, image & video embedding. Pandoc for PDF conversion, & GatsbyJS + GitHub pages for serving on web.

**Guinea-pig recognizer:**

- Fast.ai model trained in Jupyter Python notebook running on a GPU accelerated Google Cloud instance.
- Deployed using React.js frontend & a Flask backend running in a docker container on an AWS EC2 instance.

[EigenC, Linear Algebra Library built in C++:](#)

- Utilized dynamic memory and OOP principles to accomplish useful matrix computations in C++.

[Physics Simulations in Python:](#)

- Utilized various python libraries including NumPy, Matplotlib, SymPy to simulate physical systems.

References available upon request