

Elijah Cirioli

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Education

Oregon State University College of Engineering

Honors Bachelors of Science in Computer Science

- Graduated Summa Cum Laude
 - Consistent member of the Dean's List
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Experience

AWS Elemental

Software Development Engineer (July 2023 - Present)

- Expanded and maintained the AWS MediaConnect service to securely and reliably transport live video through the cloud.

Pluto Health

Software Engineer (June 2021 - June 2023)

- Worked with a team to design and implement a system to parse medical records and provide patients with useful insights about their health data.

AWS Elemental

Software Development Engineer Intern (June 2022 - September 2022)

- Developed a new video source protocol for the AWS MediaConnect service to allow for cheaper and more reliable testing.

Freelance Software Engineer (2019)

- Conceptualized, engineered, and maintained a physical QR code-based attendance system for various clubs and honor societies at West Linn High School.
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Technical Skills

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|------------------------------|----------|--------------|----------|------------|
| • Javascript/Typescript | • Python | • C/C++ | • Java | • Scala |
| • Full stack web development | • AWS | • PostgreSQL | • Go | • Docker |
| • React | • Git | • TensorFlow | • OpenCV | • Firebase |
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Portfolio

jsFLAP

- The Javascript Formal Languages and Automata Package for constructing and simulating finite state automata for education about the theory of computation. Created as an honors thesis project at Oregon State University.

SAV1

- An easy-to-use C library that provides efficient and highly-configurable decoding of video files using the AV1 video and Opus audio codecs.

ForeSight

- Smart glasses for the visually impaired that use stereo cameras and computer vision to provide detailed, depth-aware information about obstacles in the user's environment. Finalist project at the Regeneron International Science and Engineering Fair world championship.