

CARTER ROESER

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I am a highly motivated student who demonstrates strong work ethic, leadership, and technical ability, seeking to apply my management and engineering skills to a challenging technical position.

WORK EXPERIENCE

AUGUST 2020 – PRESENT

SENIOR IT TECHNICIAN, OREGON STATE UNIVERSITY, COLLEGE OF ENGINEERING

- Technical lead / senior member of OSU College of Engineering ProStaff IT group.
- Provide technical support for College of Engineering students, faculty, and facilities.
- Specialize in Windows desktop and server administration (over 1,000 clients), including application and image development, packaging and deployment through Microsoft Endpoint Configuration Manager and Active Directory.
- Design and develop internal and public websites, tools and web apps.

SEPTEMBER 2013 – PRESENT

OWNER / OPERATOR, FREELANCE SOUND / LIGHTING ENGINEER, CJREVENTS

- Mobile DJ, Event Production & Equipment Rental Services
- Learned business management skills including marketing, client management, team leadership, financial management, etc.

JUNE 2019 – AUGUST 2019

SUMMER COMPUTER SCIENCE INTERN, OREGON STATE UNIVERSITY

- NVIDIA Computer Graphics & Imaging Laboratory
- Managed software application projects from design, development (C/C++) and testing.
- Worked with a team of university professors, students, and interns on projects relating to current developments in the field of computer graphics.

EDUCATION

EXPECTED JUNE 2024

OREGON STATE UNIVERSITY, CORVALLIS, OR

- GPA: 4.00 / 4.00; Made dean's list every term.
- Pursuing Bachelor of Science in Computer Science with a focus on Computer Systems
- Relevant Coursework: Intro to Computer Science I / II, Data Structures, Digital Logic Design, Elements of Discrete Mathematics,

SEPTEMBER 2016 – JUNE 2020

WEST ALBANY HIGH SCHOOL, ALBANY, OR

- Graduated with Honors; GPA: 3.98 / 4.00.
- Received Principal's Award, Bulldog Achievement Award, two District All-Star Awards, AP Scholar Award, Albany Chamber of Commerce Student of the Month, and honor roll every term.
- Dual enrolled with Linn Benton Community College; 4.00 / 4.00 GPA.

SKILLS

- Programming Languages: C++, C, PHP, Python, and JavaScript.
- Technology: Bootstrap, NodeJS / NPM, Electron, Firebase, Yarn, Bower, Git / GitHub.
- Leadership and Management
- Analytical Thinking
- Problem Solving

HIGHLIGHTED COMPUTER SCIENCE PROJECTS

VESTA WEB INTERFACE [GITHUB.COM/CDGCO/VESTAWEBINTERFACE](https://github.com/CDGCO/VESTAWEBINTERFACE)

- Customizable web hosting control panel with 3rd party integrations and plugin system.
- Provided experience in open-source software development, managing issues, pull requests, collaborators, marketing and distribution, as well as web hosting software.
- Built with PHP, JavaScript, Bootstrap, jQuery, MySQL.
- Over 2,000 downloads.

COE Tools [GITHUB.COM/CDGCO/COETOOLS](https://github.com/CDGCO/COETOOLS)

- Web interface to keep track of IT tools. LDAP authenticated user / admin roles, drag and drop user customizable editor, favorite tools and recent tool history, light / dark mode, tool search, filter and categorizing.
- Developed for / used by OSU's College of Engineering IT department, providing experience prototyping / building an application to customer's specification.
- Built with PHP, JavaScript, Bootstrap, jQuery, MySQL (core adapted from Vesta Web Interface).

01V WEB CONTROLLER [GITHUB.COM/CDGCO/01V-WEB-CONTROLLER](https://github.com/CDGCO/01V-WEB-CONTROLLER)

- Multi-device real time remote controller for Yamaha 01V digital mixer. Portable Web App that allows multiple devices to wirelessly mix sound on a 26-year-old mixer.
- Provide experience developing with and publishing packages to NPM.
- Built with NodeJS, Electron, WebSocket.
- Over 250 downloads.

ACCELERATED RAY TRACER [GITHUB.COM/CDGCO/RAYTRACING](https://github.com/CDGCO/RAYTRACING)

- CPU / GPU accelerated ray tracer based on Peter Shirley's Ray Tracing in One Weekend
- Developed as project during OSU internship to study parallel programming performance.
- Built with C / C++, OpenCL, OpenGL, CUDA.

ACTIVITIES / VOLUNTEERING

JUNE 2019 – MARCH 2020

STUDENT ADVISOR, GAPS CTE ADVISORY COMMITTEE

- Help advise the GAPS (Greater Albany Public Schools) district on how to allocate CTE (Career and Technical Education) funding based on my experience in CTE classes.

SEPTEMBER 2016 – MARCH 2020

DJ, MANAGER, WEST ALBANY DJ DOGS

- Club leader at West Albany High School. Managing a group of student contractors and clients, coordinating contracts, planning / scheduling events, payroll, etc.