Samuel P. Willard

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Education	**Oregon State University,** Corvallis, OR
	Honors College, Bachelor of Science in Computer Science Expected June 2027
	Honors College, Bachelor of Science in Mathematics Expected June 2027
	GPA: 3.90
	Dean's List (Fall 2023-Present)

Coursework

- Data Structures
- Web Development
- Programming Language Fundamentals
- Vector Calculus I & II
- Linear Algebra
- Discrete Math
- Applied Differential Equations
- Argument & Critical Discourse

Internships

Wilsonville High School, Wilsonville, OR   July 2022
Computer Education Intern
- Assisted the Professor with dynamic lesson plans and overseeing class activities.
- Mentored students with additional support needs in studying and retaining course material.
- Created and led a lesson instructing students about relevant career choices and opportunities within the computer science field.
- Taught students how to wire breadboards and code Arduinos with hands-on and engaging activities.

TTM Technologies, Forest Grove, OR   June-September 2025
Computer Science Intern
- Developed an online internal auditing tool incorporating segregation of duties principles to strengthen company security.
- Managed Oracle databases by enforcing primary-foreign key relationships within objects to ensure data accuracy and integrity.
- Created conversion scripts to streamline Oracle system migrations in the Toronto facility.

Employment

Woodbend Homeowners Association, West Linn, OR   Spring/Summer 2020-22
Pool and Clubhouse Manager
- Ensured health and safety for all Association Members by verifying and maintaining proper chemical balance in the association swimming pool daily.
- Managed maintenance of pool and pool grounds according to community specifications.
- Prevented chemicals and grime in the pool house and deck.

Projects

Depiction, Javascript, CSS, HTML   Fall 2024
- Worked in a group to develop a website that uses libraries such as Socket.io and Canvas to run Depiction, a multiplayer drawing game based on Telestrations.
- Implemented several features, including handlebar templates, player and canvas data management, and server to client communication.

Internal Auditing Tool, HTML, CSS, JS, PHP, SQL   Summer 2025
- Developed an online internal auditing tool incorporating segregation of duties principles to strengthen company security.
- Implemented front-end functionality using HTML, CSS, and JavaScript for intuitive user interaction.
- Integrated PHP with jQuery AJAX to securely query and retrieve data from the Oracle database using SQL.