

# Shayla Rao

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## EDUCATION

**Oregon State University, College of Engineering**, Corvallis, Oregon

Graduated: June, 2022

**Major:** Bachelor of Science, Computer Science / Bioinformatics

*Cumulative GPA: 3.01/4.00*

**Relevant Coursework:** Data Structures, Algorithms, Intro to Artificial Intelligence, Software Engineering 1 & 2, Web Development, Machine Learning, Introduction to Databases, Assembly, Scientific Visualization, Biology Series

## PROFESSIONAL EXPERIENCE

**General Motors** | Software Developer

July 2022– Present

- Worked with Autosys and Tidal Automation software and assisted in company-wide migration from Autosys to Tidal
- Processed Autosys service requests in Galileo software
- Ran Tidal API scripts in order to make changes to jobs for users
- Troubleshooted countless Tidal and Autosys issues with users

**Technologies Used:** Python, Java, Autosys, Tidal Automation, Galileo

**ASOSU Office of Advocacy** | Peer Advocate

Oct 2020 – June 2022

- Worked as a Student Advocate to assist students with academic misconduct cases and overall student support
- Collaborated with the Office of Information Security and developed cybersecurity materials to reduce phishing attacks on students
- Presented at the International Center for Academic Integrity (ICAI) conference as a Student Advocate.

**Intel** | Cloud Computing Intern

Jun 2019 – Aug 2019

- Ran sample workloads in Amazon Web Services (AWS) environment
- Sample workloads are based on real use cases and utilize features such as containerization, parallel computing, and vectorization.
- Generated training materials for customers using performance optimization tools in Intel's Parallel Studio suite.

**Technologies Used:** C++, AWS, Intel Parallel Studio Suite

**CDK Global** | Software Development Intern

Jun 2016 – Aug 2016

- Developed a working chrome extension that contained widgets.
- Widgets included: a calendar widget, a time widget, a weather widget and others to help employees.

**Technologies Used:** HTML, CSS, Angular JS, REST APIs

## PROJECTS

**Morse-Smale Visualization:** Visualized the Morse-Smale Complex through the use of scalar data using C++ and scalar libraries

**Color Sort:** Visualized different sorts such as bubble sort through the use of colors using Python and Python libraries

**Space Ninja Game:** Made a spaceship game using HTML, CSS, JavaScript and Android Studio

**Hotspot Recognition Program:** Created a program that takes in thermal images of fires and locates the hottest spots in the image using Python, OpenCV, ROS

## SKILLS & INTERESTS

**Languages:** SQL, R, Python, Java, JavaScript, C, C++, HTML, CSS

**Tools/Frameworks:** Angular JS, Django, Ubuntu, Android Studio, REST API, Amazon Web Services, OpenCV, Node.js, Linux, Unix, Git, GitHub, Microsoft Office, JIRA, Trello, Tableau, Power BI

**Awards:** Grace Hopper Conference Attendee 2022, National Center for Women in Technology (NCWIT) Award 2016 & 2017

**Interests:** Data Analysis, Artificial Intelligence, Machine Learning, Genetics, Bioinformatics, Mobile Development, Web Development, Software Development