

# Leonardo D. Curdi

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## Education

**Bachelor of Science, Computer Science; GPA 4.0**

**Aug 2022 - May 2025**

Washington State University, Pullman, WA.

- Associate of Arts & Sciences, Bellevue College
- High School Diploma with Honors, Liberty High School

## Technical Skills

C, C++, HTML, CSS, JavaScript, Python, TypeScript

React.js, Next.js, Node.js, Tailwind, Git, Flask, AWS, Bootstrap, Django, MongoDB, Firebase

## Selected Projects

### Sorting Visualizer

**Mar 2023**

- Leveraged Javascript to visualize various sorting algorithms so I could understand them better
- An array is generated and displayed on screen as vertical bars. Each step of the selected algorithm is visualized through color changing and moving bars. The user can adjust size of array and speed of sorting. Algorithms: bubble, selection, insertion, quick, merge, heap
- Skills: HTML, CSS, and Javascript, sorting algorithms, recursion, visualization

### NASA Astronomy Picture of the Day

**Mar 2023**

- Utilized NASA's API to implement a web application for the astronomy picture of the day
- Integrated an API key to fetch data wirelessly from NASA servers and display contents to the application using Python and Flask to encourage learning about the cosmos

### Cosmic Clash

**Feb 2023**

- An arcade style shooting game created with the purpose of learning Javascript
- Features: Player moves around the screen, shoots enemies, which explode on impact, collects ammo, enemies are aware of and target the player, player has to avoid them
- Skills: taught myself Javascript basics, animation, used HTML and CSS to create a pleasing UI

### Battleship

**Nov 2022**

- Coded a C program that allows a user to play a game of battleship against the computer
- Features: application is run in the console, computer is programmed to find the best shot
- Skills: program design in C, file streams, AI for computer offence

## Work Experience

### Amazon DSP Delivery Driver / Deepland LLC

**Jul 2021 - Aug 2022**

- Ensured all packages on my route got delivered to a safe location in a timely manner.
- Tracked progress of team members so I could help anyone who was behind.
- Promoted to step van driver Sept. 2021.
- Skills: customer service, time management, teamwork, communication

## Volunteering & Leadership

### Vice President / Association for Computing Machinery

**Current**

- Planning and hosting weekly meetings at WSU, organizing the CrimsonCode hackathon

### Teaching Assistant / Washington State University

**Current**

- Responsible for teaching a lab section and helping students with course material

### Boy Scouts of America Troop 498

**2011 - 2018**

- Eagle Scout projects, Scouting for Food, Adopt-A-Road, trail restoration, cleanup projects

### Washington Trails Association

**2014 - 2015**

- Construction of the new trail on Mailbox Peak, reforestation at Lake Sammamish

## Achievements & Awards

- **Eagle Scout Award** / Boy Scouts of America **2017**
- **National Honor Society** / Liberty High School **2014 - 2016**
- **Order of the Silver Marmot** / Camp Parsons, Chief Seattle Council **2016**
- **National Youth Leadership Training (NYLT)** / Boy Scouts of America **2013**