

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#, C++, Python, JavaScript, TypeScript, Git, MongoDB, AWS, APIs

WinForms, NUnit, Node.js, Express, React.js, Next.js, Bootstrap, Tailwind, PyEDA, Flask, Django

Selected Projects

Spreadsheet App

Apr 2024

- A fully functional GUI spreadsheet application.
- Features: undo and redo, loading and saving using XML file format, equation evaluation with expression trees, robust error handling for circular references, malformed data, etc.
- Skills: C#, WinForms, NUnit testing, Git, OOP, software design patterns / principles

YelpSki

Jul 2023

- A full-stack web app that allows users to register, post about ski resorts, and leave reviews
- Features: interactive cluster map, full CRUD functionality, secure authentication
- Skills: Node.js, MongoDB, Express, Bootstrap, Passport, Mapbox API

Sorting Visualizer

Apr 2023

- Utilized JavaScript to visualize various sorting algorithms so I could understand them better
- An array is generated and displayed on screen. Each step of the selected algorithm is visualized through color changing and moving bars. The user can adjust size of array and visualization speed. Some included algorithms: quick, merge, heap
- Skills: HTML, CSS, JavaScript, sorting algorithms, recursion, time & space complexity analysis

NASA Astronomy Picture of the Day

Mar 2023

- Leveraged 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

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: teamwork, communication, customer service, time management

Volunteering & Leadership

Vice President / Association for Computing Machinery

Current

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

CPTS 122 Teaching Assistant / Washington State University

Fall 2023

- Responsible for teaching a lab section and ensuring the success of all my students

Boy Scouts of America Troop 498

2011 - 2018

- Led meetings, organized food donations, Adopt-A-Road, trail restoration, cleanup projects

Washington Trails Association

2014 - 2016

- 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**