Luke Sorvik

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Profile

I'm a Senior Computer Science student at the University of Washington, Seattle, with plans to graduate in June 2025. I'm actively seeking opportunities to grow and contribute in a professional environment. With a solid foundation in my coursework and hands-on experience from an internship, I'm eager to apply my skills to real-world projects. I have a strong passion for continuous learning and a keen interest in leveraging the latest technologies to solve challenges and make meaningful contributions.

Education

University of Washington   **Seattle, USA** *2023-June 2025*
Bachelor of Computer Science (In Progress)
Relevant Courses: Linear Algebra, Calculus 1-4, Computer Programming in Java, Discrete Math, The Hardware/Software Interface, Probability/Statistics, Data Structures and Algorithms, Security, Full-Stack Web Development

Projects

Podcast Clip Automation Utilizing AI - **Python :**
AI-powered automation tool designed to edit long-form podcast content into clips. Transcribes audio into subtitles, and generates AI summaries of the generated clip. It integrates profanity filtering, uses models TinyLlama, Vosk, and Whisper, and automates uploads to platforms YouTube, Instagram, and TikTok automatically via Selenium. The project utilizes Python and Docker for streamlined deployment.

Portfolio Website - **JS, HTML, CSS:**
The portfolio website utilizes CSS for responsive design, ensuring seamless adaptation to diverse screen sizes and devices. Additionally, it implements dynamic rendering techniques via Three.js to create an immersive 3D environment. Cross-browser compatibility is prioritized across different web browsers.

Data Structures - **Java :**
Exclusively crafted data structures using primitive data types and custom-built classes, without utilizing Java's built-in data structures. Additionally, created comprehensive JUnit tests employing techniques such as fuzzy testing to ensure reliability. Engineered the implementations: AVL Tree, Chaining Hash Table, HashTrieMap, HashTrieSet, Array Stack, Circular FIFO Queue, ListFIFOQueue, MinHeap, and Linked Lists.

Professional Experience

Software Engineer Intern, *Amazon*   **Bellevue, WA** *4 Months 2024*
- Collaborated with cross-functional teams to implement new features, ensuring alignment with Amazon's coding standards and best practices
- Developed and deployed robust solutions using Java, AWS services, and Linux, enhancing system functionality and scalability
- Diagnosed and resolved technical issues by leveraging advanced Bash CLI tools on both Linux and MacOS environments
- Performed comprehensive SQL queries to validate feature functionality and confirm expected changes in production databases
- Proactively sought guidance from senior engineers to expedite development and deepen understanding of complex systems and internal tooling

Video Editor, *Freelance*   **Remote,** *2017 – 2024*
- Collaborated with clients to bring their project vision to life
- Used efficient workflows to consistently meet tight deadlines

Scott's Dairy Freeze, *Assistant Manager*   **North Bend, WA** *2019 – 2020*
- Led team operations and assigned tasks to achieve sales targets while enhancing overall restaurant performance
- Resolved customer and employee issues, fostering a supportive work environment through active listening and team collaboration

Jiffy Lube, *Car Technician*   **North Bend, WA** *2018 – 2019*
- Communicated with customers about required services and explained manufacturer recommendations
- Utilized manufacturer manuals to ensure correct procedures were followed for repairs

Skills

- **Programming Languages:** Java, Python, HTML, C, C++, JavaScript, CSS, Assembly
- **Operating Systems:** Windows, Linux, Mac
- **IDEs:** Visual Studio Code, IntelliJ, Eclipse
- **Other Tools:** GitHub, Unity, Excel, PowerPoint, Bash, GDB, Adobe Premiere Pro, After Effects, Photoshop, Blender
- **Soft Skills:** Presentation, Planning, Organized, Creative Problem-Solving, Teamwork, Active Listening, Adaptability, Analytical Thinking