Darien Labbe

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Education

Bachelor of Science in Computer Science | 2024

Sonoma State University, CA | GPA 3.72 | Cum Laude and Graduated with Distinction

Projects

- **BioSoundSCape:** Researched and developed a convolutional neural network (CNN) using acoustic data collected thourought South Africa to assist in ecosystems research
- **Automatic Chicken Feeder:** I developed a React.js web app that collects user input and runs on a Raspberry Pi which is connected to a motor which is automatically controlled to feed chickens
- **Portfolio Website:** Created using React, Tailwind CSS, and JavaScript and hosted on GitHub pages
- **A House Project:** Constructed a 3D world to roam and view a large 3D model using Three.js
- **Home NAS Server:** Used an old computer to create an Ubuntu server for hosting a network attached storage with a RAID 1 configuration in order to store personal files over a local network
- **Our Space Project:** Created a rudimentary social media which could handle +10,000 users, keeping track of user information: Name, biography, profile photo, and who follows who
- **Spam Detection:** Developed a rudimentary program in collaboration with a partner that used a large set of training data to determine if an incoming email was statistically likely to be spam or not
- **Wordle Guesser:** Created a Wordle guessing program that attempts to find the correct Wordle word
- **Worm Game:** Developed an ascii worm game similar to the classic snake game

Key Skills

C++|C|Python|C#|HTML|React|JavaScript|CSS|SQL|Visual Studio Code|Jet Brains|Microsoft Visual Studio|Xcode

- Proficient in Linux command line and the use of a UNIX server and Linux development
- Used MySQL and Oracle Apex to create and manipulate SQL databases
- Work well with in teams for both small and large projects and have experience helping/coaching others and/or taking charge when needed
- Proficient in Adobe Products for design (i.e. Photoshop, Illustrator, Premiere Pro, After Effects, etc.)
- Skilled in Microsoft Excel, Word, and PowerPoint
- Speak a little French and Spanish

Job Experience

Machine Learning Research and Developer

Rohnert Park, CA | January 11, 2024 - Present

- Developed a convolutional neural network (CNN) used to detect different classes of audio

Starbucks Shift Supervisor

Healdsburg, CA | June 4, 2018 - Present

- Responsible for maintaining company standards as a key holder
- Promoted from Barista to Barista Trainer and then to Shift Supervisor

Awards and Activities

- Voted by my peers to receive the Partner of the Quarter Award - 2021
- Part of the Starbucks North Bay SSV ADP, coaching and leadership development program
- Specialized in my workplace, gaining the title of "Coffee Master"