

Ethan Leonard

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WORK AND VOLUNTEER EXPERIENCE

DefensEye Cyber Security Automation

Dec. 2023 – Present

Full Stack Intern

Remote

- Designed and published a Django application that companies use to automate their cyber security protocols by determining potential risks and the proper response whilst also creating a detailed analytics page.
- Implemented user authentication using Google Cloud Identity, OAuth and Auth0 to allow users to sign in via Google SSO.
- Created a cyber security expert AI chat assistant using Vertex AI and SecLM that customers have queried over 1000 times and received their responses in tabular risk register format on the dynamically updated HTML pages via Django.
- Implemented chat feedback using JQuery and AJAX that allows customers to like/dislike responses and leave comments.
- Created 3 tables in BigQuery that currently store over 3000 pieces of customer data to run analytics on.
- Utilized Google Cloud Artifact Registry, Buckets, and Cloud Run to allow for continuous deployment and testing of the application throughout the teams within the company with the additional help of Docker Images and Git.

Coding With Kids

Oct. 2022 – Dec. 2023

Instructor

Redmond, WA

- Instructed a total of 6, 3 month long, computer science courses for classes of 15-20 elementary school students.
- Introduced the students to a wide range of foundational computer science knowledge, such as variables, loops, Booleans, and OOP through over 30 lessons and projects I designed for the class.

National STEM Honor Society

Jun. 2023 – Oct. 2023

Website Development Intern

Remote

- Led a team of 3 to design in Figma, and implement using HTML, CSS, JavaScript, Git, and WordPress, 10 separate pages for the Student Dashboard website to be used by the thousands of students and parents in the organization.

PROJECTS

BC Computer Programming Club Website:

Vue.js / Django / Rest Framework / Python

- Organized a communal club project with two teams, a total of 30 people, to create our club website which has increased our club membership to a total of 276 members.
- Allowed for the continuous deployment of the live site by creating Django models that store data for club leadership, events, news, and club projects which are easily updated via the Django admin page.
- This data is displayed dynamically using Vue.js for the website frontend and connected to the Django backend through the creation of REST API endpoints using the Django Rest Framework.

C\$ Stalkers: (1st Place BC Tech Club Web Application Competition)

Flask / APIs / SQLite / Python / HTML/CSS

- Created a stock market simulator application to be used by the BC Finance Club for a stock market competition.
- Allows users to login, look up current stock prices, buy/sell stocks, and add funds to their accounts using the IEX stock market API for current stock values and trends.
- Displays users' account value and growth via dynamically updated graphs using Flask, Chart.js and SQLite.
- Features two AI chat assistants, implemented with OpenAI, for users to query with questions.

EDUCATION

Redmond High School + Bellevue College (Running Start)

June 2024

AA in Arts and Sciences + High School Diploma

Redmond, WA

- Phi Theta Kappa and Honors Society / 4.0 GPA
- Linear Algebra, Differential Equations, Calculus IV, Computer Science I & II
- Pres. - Computer Programming Club (BC) | Founding Father - Tech Startup Club (BC)
- Placed top 25 in the country for the HackABit Cyber Security Competition 2023

CERTIFICATIONS, SKILLS & INTERESTS

- Certifications:** Harvard CS50X, Harvard CS50W, Harvard CS50AI
- Skills:** Python, Java, C#, JavaScript, HTML5, CSS, Django, Flask, SQL, Express, Node.js, Vue.js, Git, and Tailwind.
- Interests:** Creating websites, games or random programs that require me to learn new skills. Cybersecurity competitions. Have been playing the drums for 8 years, enjoy going to the gym with friends and coaching youth basketball.