

CAMERON W. LEE

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EDUCATION

Purdue University, College of Engineering <i>Bachelor of Science, Electrical and Computer Engineering</i> Major: Computer Engineering	West Lafayette, IN May 2024 GPA: 3.50
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PROFESSIONAL EXPERIENCE

eHealth Research Team (Moved to Professional Development at Purdue University) <i>Database Management/Security – App Development – Web App Development</i>	West Lafayette, IN August 2023 – May 2024
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- Worked with full time Software Engineers in Purdue University's TAP team to create a health assessment mobile app that helps medical professionals and paramedics treat patients
- Led the transition from a disorganized MongoDB to an optimized HIPAA ensured MySQL database that effectively secured patients' health information
- Utilized Blazor framework to design and deploy functional web pages: patient, medic, and organization portals

Vector Controls Inc. <i>Engineering Intern</i>	Newton, MA May 2021 – August 2023
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- Applied electrical instruments and circuit analysis to test 200+ motherboards and diagnosed faulty components
- Tested a variety of 300+ marine vehicle navigation components: joysticks, levers, helms, sensors, gauges, hydraulics, LCDs, and engine controllers
- Conducted 20+ full system boat evaluations, assembling levers, helms, LCDs, motherboards, and hydraulics, and utilized electrical tools to further verify full system functionality as a whole before sending to customers

PERSONAL PROJECTS

Discord Bot

Creator

- Developed a custom Discord Bot utilizing Discord as a frontend, Python in the backend, and data stored in an SQL database that displays League of Legends game statistics that is tailored to suggest improvement to players
- Integrated with Riot Games APIs to fetch up to date data and store it in a secure MySQL database, which is used to update and deliver information based on user requests
- Hosted Discord Bot and MySQL database on Google Cloud to ensure its 24/7 availability for an active community of 250+ members resulting in a 10% average improvement in individual gameplay

League of Legends Website (In progress)

Creator

- Developed and launched a web application using React as frontend, Python and Flask as backend, and an SQL database to display League of Legends statistic averages and visuals to guide users towards further improvement
- Compiled user' data to calculate average performance metrics and compared them to professional benchmarks, providing personalized feedback to enhance individual skills and performance
- Established a full system entirely managed and operated in AWS to provide constant reliability and accessibility

LEADERSHIP AND INVOLVEMENT

Twitch/YouTube

League of Legends Private Coach/Content Creator

Remote

May 2022 – Present

- Utilized skills as a top 0.01% League of Legends player to conduct private VOD reviews and live coaching sessions for 20+ clients, resulting in a 20% performance increase through thorough analysis and guidance
- Illustrated a detailed guide for clients that accumulated 150,000+ views, offering easy access and direction toward self improvement
- Streamed League of Legends gameplay, showcasing skills and strategies while promoting a creative, positive, and interactive environment for viewers

Boston Hurricanes

Volleyball Clinic Coach/Active Volunteer

Boston, MA

July 2019 – August 2024

- Coached groups of 30+ athletes, initiated and led organized drills and activities, provided tailored feedback and encouragement
- Mentored and guided athletes, cultivating a supportive and positive learning environment

RELEVANT SKILLS

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- Electrical Instruments: Digital Multimeters, Power Supply, Oscilloscopes, Signal Generators
 - Programming: Python, C, C++, C#, MATLAB, Git/Github, SQL, Blazor, React, Javascript, .NET, HTML, CSS