**Tim Gubski**

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**Education**

**Princeton University ECE GPA: 4.0 2025**

**Experience**

**SWE | May 2024 - August 2024**

Rivian @ Palo Alto

* Assisted in debugging and troubleshooting software issues to ensure timely resolution and deliver high-quality products
* Created automated tests using Selenium to ensure software reliability and performance
* Developed front-end features for electric vehicle software utilizing HTML, CSS, and JavaScript
* Participated in code reviews and provided feedback to improve code quality and maintainability
* Collaborated with cross-functional teams to implement user feedback and improve software usability

**Backend Developer | May 2023 - August 2023**

WatchDog @

* Collaborated with cross-functional teams to troubleshoot and resolve technical issues.
* Developed scalable and secure APIs in Python for seamless integration with front end applications.
* Participated in code reviews and provided constructive feedback to improve overall code quality and maintainability.
* Implemented new features for WatchDog's backend system, increasing efficiency by 20%.
* Analyzed and optimized database performance to enhance system speed and reliability.

**Projects**

**ar-overlay**

* Collaborated with team members to implement PHP functionality.
* Utilized GitHub for version control and project management.
* Demonstrated problem-solving skills in resolving technical issues.
* Developed interactive AR overlay using HTML, CSS, and JavaScript.
* Implemented responsive design for seamless user experience.

**flamenet**

* Led a team in iterative idea generation, machine learning model development, sensor exploration, and automation implementation to optimize wildfire detection.
* Utilized the Twilio API to send instant alerts to fire authorities via text messages and phone calls, enhancing the speed and effectiveness of wildfire response efforts.

**tim-portfolio-website**

* Optimized website performance by minimizing load times and optimizing code for SEO.
* Developed responsive portfolio website using HTML, CSS, and JavaScript, showcasing projects and skills.
* Collaborated with team members to gather feedback and make improvements to the website design.
* Implemented interactive features and animations to enhance user experience on the website.
* Utilized version control with Git to manage code changes and deployments effectively.