

PETER GUNARSO

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Experience

Microsoft

Software Engineer I - II (Bluetooth Platform)

February 2022 – Present

Redmond, WA

- **Bluetooth LE Audio:** Implemented new Bluetooth LE Audio features in Windows, deploying to millions of PCs worldwide. Worked on user-mode drivers for call controls, media controls, and unicast streaming.
- **OS Integration:** Integrated new Bluetooth LE audio features into Windows OS. Contributed to and maintained OS services to apply Windows policies to Bluetooth devices. Mostly dealing with device management and presentation to user.
- **Fuzz Testing:** Identified and fixed memory safety issues in Windows Bluetooth stack through authoring and maintaining libfuzzer and syzkaller based fuzz tests.
- **Test Automation:** Improved Bluetooth LE Audio quality through implementing complementary LE services for end-to-end functional testing.
- **AI Assistant - Bluetooth Classic Integration:** Prototyped AI assistant integration with Windows Bluetooth Classic controls.
- **AI knowledgebase - Bluetooth Specifications:** Prototyped MCP server to provide Bluetooth specification domain knowledge to AI assistants.

University of Washington

Teaching Assistant

September 2021 – December 2021

Seattle, WA

- **TA for Intro to Networks:** Prepared and taught curriculum for foundations of Networks, leading weekly quiz sections and office hours.
- **Curriculum:** TCP/IP, HTTP, DNS, SDN

Nordstrom Tech

Software Engineer Intern - Enterprise Single Sign On (SSO)

June 2021 – August 2021

Seattle, WA

- **Data Visualization:** Created dashboards to monitor employee authentication events.
- **Security Automation:** Created and deployed cron job to suspend hundreds of inactive accounts for automated security hygiene.

Education

University of Washington

Bachelor of Science in Computer Engineering, GPA: 3.71

Minor in Applied Mathematics

Sep. 2018 – Dec. 2021

Seattle, WA

Underwater Remotely Operated Vehicles (UWROV)

Software Lead

Jan 2019 – December 2021

Seattle, WA

- **Leadership:** Led team of 11 students to design, test, and document software components of an ROV which competed in the 2021 international MATE ROV competition.
- **Administration:** Assisted in managing club organization, finances, and scheduling.
- **MATE ROV 2021 Machine Learning Challenge:** Led team of 4 to create fish detection app for use over clips collected from Coral City Camera live stream. Placed 3rd internationally.

Hobbies / Projects

Game Development: Participated in and am looking to participate in more game jams. (Game 1) (Game 2)

Photobooth: Bring photobooth setup (camera, backdrop, tablet) to friends' and family's events.

Personal Non-Technical Achievements: Ran a half marathon. Deadlifted 315 lbs.