

Vincent Kwok

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SUMMARY OF QUALIFICATIONS

- Electrical and Computer Engineering student with an interest in Embedded systems, PCB design, and Photonics
- Proficient in technical skills including: KiCAD, Python, HDL, Verilog, Java, Quartus Prime, Modelsim, Pspice, etc
- Experienced with effective leadership, communication, and communication skills, demonstrated through course work and extracurricular positions
- Passionate, detail-oriented problem solver with strong collaborative and communication skills

EDUCATION

UNIVERSITY OF WASHINGTON

Seattle, WA

Bachelor of Science in Electrical and Computer Engineering (in progress)

Jun 2024

- Cumulative GPA: 3.6, Dean's List (2020, 2021, 2022, 2023)
- Relevant coursework: Circuit theory, Devices and Circuits, Digital and Analog Signal processing, Digital Circuits and Systems, Embedded Systems, Photonics
- Unite UW group facilitator and Student Association Member, Hong Kong Student Association Member

RELEVANT EXPERIENCE

UW INFORMATION PROCESSING LAB

Seattle, WA

Research Assistant

May 2022 – Present

- Create labelled datasets for the Camera-Radar dataset to be used by researchers for Monocular 3d object detection. Using datasets for projects including autonomous car driving, surveying wildlife populations for indicators of climate change, and object tracking competition
- Modify and tag over 4500 frames of objects using bounding boxes.
- Present regularly at progress report meetings for feedback

ACE MENTORSHIP PROGRAM

Seattle, WA

Mentee in Engineering and Architecture

Feb 2020 – May 2020

- Collaborated with engineering, construction, and architecture professionals to develop ideas regarding future plans to improve the quality of Seattle's waterfront and Pike Place region
- Constructed downscaled models of potential architectural/engineering designs proposed by construction companies using Autodesk and physical prototyping
- Provide design and project management input to professionals over various civil engineering related applications

ADDITIONAL EXPERIENCE/PROJECTS

PERSONAL PROJECT WEBSITE

Seattle, WA

<https://vincentkwok21.github.io>

Jun 2023 – Present

- Ongoing website project presenting extracurricular projects complete with procedure, documentation, figures, video demos, and more
- Over 7 completed ECE related projects including, a bluetooth firefighting vehicle, game controller, logic gate visualizer, robotic arm, and ultrasonic musical instrument.

MUSEUM OF FLIGHT POPSICLE BRIDGE CONTEST

Seattle, WA

Competitor

May 2020

- Organised a team, planned, designed, and scheduled the constructions to compete in a popsicle stick bridge building competition
- Researched bridge design and structural rationale behind competitive truss designs
- Final build weighing 350 grams and carrying 68 kilograms before collapse