

Nicholas McBee

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EDUCATION

Oregon State University

Bachelor of Science in Electrical and Computer Engineering

Corvallis, OR

Sep. 2018 – Jun. 2022

WORK EXPERIENCE

Optometry Technician

Albany Vision Care

Sep. 2019 – Present

Albany, OR

- Directed patients through the office in orderly and efficient manner.
- Sanitized and operated testing equipment while providing verbal instructions to patients.
- Performed reception duties such as providing information and scheduling appointments over telephone, greeting patients, scanning documents, and processing insurance verifications.

Dining Hall Student Worker

University Housing and Dining Services

Jan. 2019 – Jun. 2019

Corvallis, OR

- Received freight deliveries to restock shelves in a convenience store environment and assisted with monthly inventorying.
- Cashiered for 100+ customers in four hours and counted till for discrepancies after closing.
- Sanitized commercial cookware in dish room and returned cookware to proper storage location.

PROJECTS

Digital Design Project

May 2020 – Jun. 2020

- Developed design of digital project decoding several inputs, including an infrared remote, keyboard and game console controller to control speed on a DC motor.
- Formulated top-level design and led designation of design roles.
- Collaborated on a small team remotely using instant messaging, email and video conferencing software.
- Created logic utilizing hardware description language SystemVerilog and completed thorough design simulation of logic modules using ModelSim and partial validation on hardware operating an FPGA and external H-bridge driver IC.
- Created professional documentation of design description and specifications leveraging the LaTeX markup language on Overleaf for synchronous group editing.

Underwater Remotely Operated Vehicle (ROV) | OSU Robotics Club

Sep. 2018 – Jun. 2019

- Discovered analog components meeting specifications given for a high-current DC power supply.
- Assembled motor connectors with water resistance requirements and printed circuit boards with surface mount devices.
- Contributed high-level technical documentation required for competition.

TECHNICAL SKILLS

Programming Languages: Python, C/C++

Digital Logic Design: Intel Quartus, ModelSim, SystemVerilog

PCB Design: CircuitMaker