

Pongpak Techagumthorn

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EDUCATION

- **University of Washington Bothell** Bothell, WA
B.S in Physics June 2021
 - **Dean's List:** Spring 2020
 - **Awards:** Excellence in Experimental Physics by Dr. Subramanian Ramachandran - May, 28th 2021

SKILLS

Software: Solidworks, Autodesk Inventor, Autodesk Fusion 360, Autodesk HSM, Microsoft Office, Jira, Confluence, Infor ERP, GitHub, LTSpice

Programming Languages: Python, MatLab, LaTeX, Java, HTML, CSS

Machines: 3D Printer, Laser Cutter, Lathe, Mill, Bandsaw, Drill Press, CNC Milling, MIG Welding

EXPERIENCE

- **Picnic Works** Seattle, WA
Test Technician I & Food Supply Chain Lead September 2021 - Present
 - Develop test fixtures and procedures for evaluating electromechanical devices
 - Utilize Solidworks CAD and 3D printing for rapid prototyping of test fixtures
 - Respond to emergency engineering support requests for on site Picnic Pizza Station system failures
 - Facilitate regulatory testing of the Picnic Pizza Station
 - Perform final quality assurance checks on the Picnic Pizza Station
 - Manage food supply chain for ingredients used to test the Picnic Pizza Station
 - Demonstrate the Picnic Pizza Station to potential business partners and customers
 - Provide on site support for the Picnic Pizza Station at customer locations
- **Chili Basil Thai Grill** Lynnwood, WA
Kitchen & Maintenance Staff September 2012 - September 2021
 - Maintained internal network and provided technical support for computers
 - Performed kitchen tasks such ingredient prep, cooking, and dish-washing
 - General repair and maintenance of restaurant and restaurant equipment

PROJECTS

- **Automated Stepper Motor Torque Testing Fixtures** May 2022 - Present
Test Fixtures & Hardware
 - Designed and manufactured test fixtures to automatically measure peak stepper motor torque in several Picnic Pizza Station subsystems
 - Implemented custom python scripts for complex data analysis of raw data output from strain gauge
 - Developed testing protocols for evaluating new stepper motors for use on future Picnic Pizza Station revisions
- **Semiconductor Materials for Ultra High Frequency Transistors** April 2021 - June 2021
Capstone
 - Performed dozens of LTSpice simulations across five different transistor models with various parameters
 - Developed test procedures to compare ultra high frequency behavior of semiconductor materials
 - Authored and Presented a scientific paper on the findings of this project