

# Anna Johnson

BIOMEDICAL ENGINEER

## Details

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## Links

linkedin.com/in/annaj22  
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## Skills

Python  
Swift, SwiftUI & UIKit  
HTML & CSS  
JavaScript  
Microcontrollers  
Adobe Illustrator  
Microsoft Office

## Hobbies

Student Pilot  
Guitar  
Water Skiing

## Profile

Biomedical Engineering student with a passion for technology and an eagerness to learn. 3+ years of research experience in hardware and software development, specializing in human computer interactions and biometrics.

## Employment History

### Software Developer, VEMI Lab

APRIL 2022 - PRESENT

- Developed fully dynamic user interface to automate terminal commands on remote Raspberry Pis using Python.
- Programmed and hosted a Wordle Discord Bot on a Windows server.
- Authored programs automating data analysis to increase efficiency.

### Systems Engineer Co-op, Werfen

JULY 2021 - DECEMBER 2021

- Developed user interface to automate experimental processes and statistical analysis on virtual machines.
- Designed, executed, and analyzed experiments from start to finish, authored proposals, procedures, and final reports.
- Collaborated with R&D team to troubleshoot hardware issues, brainstorm solutions, and test prototype designs.

### Owner, Square Pond Shop

AUGUST 2017 - PRESENT

- Cultivated a brand from the ground up, designed products, developed website, communicated with manufacturers, and marketed via social media.
- Managed legal documents, company budget, and product quality.
- Constructed and operated a silk screen workshop for handprinted apparel.

## Education

### Biomedical Engineering, University of Maine, Orono

SEPTEMBER 2019 - MAY 2023

- Minors in Electrical Engineering, Bioinstrumentation, and Mathematics.
- Full tuition Top Scholar award and 3.9 GPA.

## Research and Additional Experience

### Lead Researcher, DEEMI Search and Rescue

OCTOBER 2019 - PRESENT

- Built and integrated ADS-b receiver to track aircraft in search area.
- Developed iOS application using SwiftUI and UIKit to display mission status, locate search drones, and obtain sensor data via Bluetooth Low Energy.

### Vice President, Happy Homes Computers

SEPTEMBER 2022 - PRESENT

- Aided in foundation and organization of local Non-Profit, specializing in building and delivering computers to underserved communities.
- Developed and hosted website with HTML, CSS, and Javascript.