

Anna Johnson

BIOMEDICAL ENGINEER

Details

22annajohnson@gmail.com

207 329 3570

Links

DEVELOPER PORTFOLIO

annajohnson.dev

PROFESSIONAL FOOTPRINT

github.com/annajohnson22

linkedin.com/in/annaj22

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

- Full-stack developer, specializing in UI design and iOS interfacing.
- Researched, designed, implemented, and evaluated software to manage systems, automate processes, and deploy solutions.
- Worked with SwiftUI, UIKit, CoreData, and CoreBluetooth.

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.
- Full tuition Top Scholar award and 3.9 GPA.

Research and Additional Experience

Special Projects Team Lead, 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.