

# Landyn Francis

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Software Engineer leading a small team on R&D-focused scientific software development projects for the Department of Defense. Proficient in Computer Vision, Data Visualization, and Front-End Web Development.

## EXPERIENCE

### Compotech Inc, Brewer, ME — *Software Engineer II*

MAY 2023 - PRESENT

- Develops and maintains Python-based scientific software applications featuring responsive web interfaces, implemented in Vue.js.
- Collaborates closely with a cross-functional team of 10 engineers, leading technical decisions and planning for projects.
- Researches and implements state-of-the-art code libraries and algorithms to optimize performance in software packages.
- Manages project workflows by creating and tracking issues in GitLab, improving team collaboration and streamlining the software development processes.
- Represents the company at client-facing events, providing software demonstrations and technical presentations.

## EDUCATION

### University of Maine, Orono, ME— *Computer Engineering*

SEPTEMBER 2019 - MAY 2023

- GPA: 3.92, Member of the Francis Crowe Society
- Inducted into IEEE Eta Kappa Nu and Tau Beta Pi Honor Societies

## PROJECTS

### MIDI Keyboard — *Senior Project*

Another student and I designed and built a MIDI keyboard device using a Raspberry Pi Pico as part of our Computer Engineering Capstone project.

### Personal Website — [www.landynfrancis.com](http://www.landynfrancis.com)

I host and maintain my personal website on a Raspberry Pi 4. It is used to host my wider portfolio, and other interests.

## SKILLS

**Proficient Languages:**  
Python, C, C++, Javascript

**Web Development:**  
Familiar with the Vue.js framework for front-end web application development

**Databases:**  
MongoDB, SQL

**AI/ML:**  
Proficient in PyTorch Neural Network development.

**Electronics:**  
Proficient with oscilloscopes and other lab equipment

## AWARDS

**Presidential Scholar**  
(Spring 2021)

**Inducted into IEEE Eta Kappa Nu Honor Society**  
(Spring 2021)

**Inducted into Tau Beta Pi Engineering Honor Society**  
(Fall 2022)

## INTERESTS

Web Development & Design

Embedded Systems

Computer Vision