

**School Address:**

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**Seth Frank**

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**Permanent Address:**

50 Burnt Hill Road  
Farmington, CT 06032

**Education**

**Worcester Polytechnic Institute (WPI)**, Worcester, MA

Sep 2021 – Expected May 2025

- Bachelor of Science in Computer Science
- Minor in Electrical and Computer Engineering

GPA: 3.94/4.00

**Relevant Coursework**

Software Engineering, Operating Systems, Algorithms, Data Structures, Computer Networks, Machine Organization and Assembly Language, Systems Programming Concepts, Object-Oriented Design Concepts, Foundations of Computer Science, Discrete Math, Digital Circuit Design, Embedded Computing

**Technical Skills**

- Programming Languages: Java, C++, C, Python, HTML, CSS, Oracle, SQL, JavaFX
- Software and OS: IntelliJ IDE, PyCharm IDE, VS Code, Eclipse IDE, GitHub, Gradle, Jira, Windows, Linux, macOS
- Computer Engineering: Arduino Multisim, MATLAB, Logisim, Vivado

**Projects**

**Developing a Kiwi Safety Plan for Upper Hutt, Aotearoa** | Interactive Qualifying Project

October 2023 - March 2024

- Worked in a 4-person team to assess the local support of kiwi bird expansion in Upper Hutt and develop a safety plan
- Researched key background information regarding kiwi birds, conducted interviews with key informants, developed a survey to gauge the public's perception that got 286 responses, shared our project through news outlets including newspapers, radio stations, and city council social media, and created social media and marketing material
- Developed our safety plan highlighting specific action steps for multiple groups of individuals

**Hospital Application for Brigham & Women's Hospital** | Software Engineering Project

March 2023 - April 2023

- Utilized Java, JavaFX, MaterialFX, AWS, and PostgreSQL to create an application for Brigham & Women's Hospital that included pathfinding, a map editor, multiple service request modules, and a move component for departments
- As lead software engineer, managed an 8-person team using the Agile methodology by gathering software requirements, delegating tasks to members, creating user stories, and making sure tasks got done
- Responsible for creating the map editor, service request components, and the move component including both front end and back end components as well as creating UML use case and class diagrams for these components

**Creating A Linux Shell** | Operating Systems Project

January 2023

- Wrote a C program to mimic processes and system calls used in a Linux shell that also allows background processing
- Wrote basic shell commands including exit, echo, cd, pwd, history as well as command operators like && and ||
- Used fork(), wait(), and exec() to spawn child processes that allows the shell to run any Linux shell library functions

**Work Experience**

**WPI South Village Student Center** | Building Manager

August 2022 - Present

- Manage a 18,382 sq ft building dealing with maintenance issues, emergencies, and any problems that arise
- Work front desk where I provide effective customer service to any guests including checking out equipment

**iDTech** | Camp Instructor

June 2023 - August 2023

- Created and modified curriculum to teach week-long courses to students aged 10-17 about Python and Java
- Ran activities during the day, dealt with day-to-day logistics, and worked effectively with co-workers

**Extracurricular and Community Activities**

**WPI Philharmonic Association** | President and Violinist

September 2021 - Present

**Sigma Pi Fraternity, Gamma Iota** | Scholarship Chair

November 2021 - Present

**Awards and Certificates**

Omicron Delta Kappa Leadership Honors Society

April 2023 - Present

WPI Dean's List

2021, 2022, 2023