

# Cole Manning

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WPI Junior currently seeking a Summer 2022 Internship that will make use of my experience working on Agile software development teams, and knowledge of Java, C, and web languages. Have taken more than eight CS courses thus far through WPI, held steady employment since 2015, and have experience in web development outside of WPI courses.

## EDUCATION

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### Pursing Bachelor of Sciences in Computer Science

Worcester Polytechnic Institute

- GPA of 3.7

Class of 2023

Worcester, MA

## RELEVANT COURSEWORK

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### CS3733 Software Engineering (in collaboration with Brigham & Women's Hospital) | Java

This course had eleven-person student teams working in a class competition to apply Agile development methodologies and software design patterns in Java to create an indoor pathfinding application, map builder, COVID-screening survey, and integrated service request modules for Brigham & Women's Hospital. The software systems that student teams created were to inform the hospital representatives about potential features, user interfaces, or design approaches that they might consider implementing.

- As a Scrum master, led daily scrums and coordinated the sprint planning, review and reflection meetings
- As part of the UI team, wrote code daily to interface with the algorithm and database teams

### CS2102 Object-Oriented Design Concepts | Java

### CS2223 Algorithms | Java

### CS2011 Introduction to Machine Organization and Assembly Language | AT&T/Intel Assembler, C

## RELEVANT PROJECTS

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### Guns of Icarus Caster Companion (Desktop Application) | Java, JavaFX, CSS Jul 2021 – Sept 2021

- Created and maintained application for online streamers in the Guns of Icarus Online community
- Created native executables for multiple operating systems and distributed via website ([goicc.skyborne.net](https://goicc.skyborne.net))

### Grailed Plus (Browser Extension) | Javascript, JSON, CSS Oct 2020 – Nov 2020

- Analyzed network operation of merchant website to determine operation of backend API
- Scraped additional information from API and added info to product pages through a browser extension

## TECHNICAL SKILLS

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**Languages:** Java (incl. JavaFX, JUnit), C/C++, HTML/CSS, LaTeX, JavaScript, MATLAB

**Software:** JetBrains IDEs, git, GitHub (Issues, Project, Teams), VMware/VirtualBox, Adobe Suite, MS Office 365

**Operating Systems:** Windows, Mac OS, Linux (Ubuntu, Raspbian)

## WORK EXPERIENCE

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### Computer Lab Assistant

Worcester Polytechnic Institute

Oct 2019 – Present

Worcester, MA

- Researched and implemented improvements to group policy on remote desktop servers
- Set up new machines (imaging, installing drivers and requested software, physical setup)
- Assisted faculty, staff, and graduate students with machines and technical issues or questions
- Contacted users to schedule upgrades and install software

## **WPI/Clark Small Business Digitization Program Volunteer**

Jun 2020 – July 2021

*Worcester Polytechnic Institute & Clark University*

*Remote*

- Worked directly with clients in a small team setting via remote conferences
- Determined client's needs and budget and proposed potential service subscriptions
- Created and updated websites for small businesses using popular web-builders
- Educated clients on use of new website

## **IT Assistant**

Jun 2017 – Aug 2019

*Francis W. Parker Charter Essential School*

*Devens, MA*

- Provided general IT support and troubleshooting to teachers
- Maintenance tasks (running new Fiber/Ethernet cabling, replacing and re-imaging hard-drives)
- Troubleshoot faulty computers, printers, and miscellaneous technology

## **Library Page**

Sep 2015 – Aug 2019

*Hazen Memorial Library*

*Shirley, MA*

- Assisted patrons with library computers and questions about library services
- Shelled books, weeded old books, pulled holds, library cleanup, and other such miscellaneous tasks