

# 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, Kotlin, or web languages. Have 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 3.74 (as of Oct 2021)

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 – Sep 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 back-end 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, Kotlin

**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

- Work on time sensitive technical projects for faculty, staff, and graduate students
- Researched and implemented improvements to group policy on remote desktop servers as part of work to find solutions for new and existing problems and workflows in order to streamline operations
- Set up new machines (imaging, installing drivers and requested software, physical setup)
- Contacted users to schedule upgrades and pickup/drop-offs of computers and other technical equipment

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

Jun 2020 – Present

*Worcester Polytechnic Institute & Clark University*

*Remote*

- Work directly with clients in a small team setting via remote conferences
- Determine client's needs and budget and proposed potential service subscriptions
- Create and update websites for small businesses using popular web-builders
- Educate clients on use of new website or digital service

## **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