

Cole Manning

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

EDUCATION

Pursuing Bachelor of Sciences in Computer Science

Worcester Polytechnic Institute

- GPA of 3.74 (as of Dec. 2020)

Class of 2023

Worcester, MA

RELEVANT COURSEWORK

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

CS2303 Systems Programming Concepts | C, C++

CS2102 Object-Oriented Design Concepts | Java

CS2223 Algorithms | Java

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

TECHNICAL SKILLS

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

WPI/Clark Small Business Digitization Program Volunteer

Jun 2020 – Present

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

Computer Lab Assistant

Oct 2019 – Present

Worcester Polytechnic Institute

Worcester, MA

- 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
- Troubleshoot faulty computers and equipment
- Contacted users to schedule upgrades and install software

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