

# Cormac Lynch-Collier

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## Education

**Worcester Polytechnic Institute (WPI)** – Bachelor of Science in Computer Science, Minor in History, GPA 3.83/4.0, December 2019

## Projects

**CS 3733 - Software Engineering** – Lead UI Designer and Product Owner; WPI, 2018

This course had ten-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, and integrated service request modules for the Brigham & Women's Hospital main campus. The software systems that student teams created were to inform Brigham & Women's Hospital about potential features, user interfaces, or design approaches that they might consider implementing. As the lead UI designer, I designed and implemented the front-end of our application using Java and JavaFX. As a product owner, I maintained the product iteration backlogs. I also coordinated the team's sizing and prioritizing of user stories.

**Melody Up** – Accelerate WPI; WPI, 2017

Selected to participate in a competitive entrepreneurship program with \$2500 funding and mentoring from a WPI entrepreneur. The business idea, Melody Up, is an online platform that I have been developing in HTML, CSS, and JavaScript (front end) and Python (back end).

## Experience

**Vistaprint** – Software Engineering Intern; Waltham, MA; Summer 2019

Worked with the manufacturing software department to create a "Press Simulator" micro-service. The service was built with .NETCore on the backend and AngularJS on the frontend. The "Simulator" was created to mock/test workflows that are used in Vistaprint's printing plants (e.g., the color separation and movement of pdf files to be printed onto garments).

**Cogo Labs** – Software Engineering Intern; Cambridge, MA; Summer 2018

Worked with the venture capital firm associated with Cogo Labs (Link Ventures) to create a website catalogue of start-up accelerators in the Boston area. Implemented a profile page and review system associated with each accelerator. Worked with an incubating company at Cogo Labs (Minerva Analytics) to create their corporate website. Both sites were made with React (JavaScript) for the front end, and Django RESTFramework (Python) for the back end. Both sites will be deployed in the coming months.

**Software Development Assistant** – Olin College; Needham, MA; Summer 2017

Worked with Professor Alex Morrow to develop an APL (A Programming Language) interpreter written in Python, on a Linux machine. In the process of working towards a publication.

## Skills

**Programming Languages:** Python, Java, C, C++, HTML, CSS, JavaScript, JavaFX, React, AngularJS, NodeJS, .NETCore

**Software Development Tools:** Django RESTFramework, Git, Scrum

**Agile Project Management Tools:** GitHub Project, Slack, Trello

**Applications:** Maple, MATLAB, SolidWorks

## Awards

**Presidential Scholarship** – WPI, 2016-2020

**Charles O. Thompson Scholar** – WPI, May 2017

**Deans List** – WPI, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Spring 2019