

# Tim McCabe

<https://timmcca.be>

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## Education

**University of Cincinnati** — BS in Computer Science, BA in Mathematics

*Expected 2021*

GPA 3.90, University Honors Program, National Merit Scholar

## Experience

**Technology Intern — Worldpay**, Cincinnati, OH

*May 2019 - Present*

- Develop a server in Java using SpringBoot for a mobile application
- Write SQL Server and DB2 database queries to aggregate financial information
- Visualize data in a mobile application built on Angular and Ionic
- Build the framework for modernizing a legacy web application using microservices
- Integrate legacy code with new microservices to create coexistence during migration
- Collaborate with a team using the Scrum framework

**Software Development Co-op — Siemens PLM Software**, Milford, OH

*Jan 2018 - Dec 2018*

- Developed automated testing software in Java
- Created a Node.js server to store test cases and results and coordinate test runs
- Redesigned the user interface of a Chrome extension using Bootstrap
- Modernized the user interface of an AngularJS website using Material design
- Updated and created automated tests in C#

**IT Support — Crisis Intervention and Recovery Center**, Canton, OH

*Jun 2016 - Aug 2017*

- Created training materials and trained staff on the new electronic health record (EHR) system
- Worked with mental health professionals to determine the best EHR practices for staff
- Started volunteering in June of 2014 and was hired after two years of productivity and ambition

## Projects

Music Tool — [github.com/timmcca-be/music-tool](https://github.com/timmcca-be/music-tool)

*May 2020 - May 2020*

React web application for musicians to find and play chords

Speedrun Timer — [github.com/timmcca-be/speedrun-timer-rn](https://github.com/timmcca-be/speedrun-timer-rn)

*Jun 2019 - Aug 2019*

React Native app featuring a precise, stylized countdown timer and audio cues

Super Mario Kart AI — [github.com/timmcca-be/Mario-Kart-AI](https://github.com/timmcca-be/Mario-Kart-AI)

*Nov 2017 - Dec 2017*

Neural network written in Python that learns to play Super Mario Kart using a genetic algorithm

PAG Tour — [github.com/ModelsHonorsExp/ModelsHonorsExp.github.io](https://github.com/ModelsHonorsExp/ModelsHonorsExp.github.io)

*Jan 2017 - Apr 2017*

JavaScript golf simulator based on models of aerodynamic forces developed and tested in MATLAB