# Tim McCabe

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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 from FIS**, Cincinnati, OH          *May 2019–Present*

◦ Collaborate with an Agile team of five engineers to create a server in Java using SpringBoot

◦ Write SQL Server and DB2 database queries to aggregate financial information

◦ Visualize financial trend data in a mobile application built on Angular and Ionic

◦ Build the framework for modernizing a legacy web application using microservices

◦ Analyze modernization approaches and advise teammates on technologies and architecture

◦ Integrate legacy Liferay code with five microservices to preserve coexistence during migration

◦ Coordinate with 15 coworkers on an international Scrum team

**Software Development Co-op — Siemens PLM Software**, Milford, OH          *Jan 2018–Dec 2018*

◦ Developed automated testing software in Java alongside four other developers

◦ Set up a Node.js server to coordinate test runs and store hundreds of test cases and results

◦ Redesigned the user interface of a Chrome extension using Bootstrap

◦ Enhanced and expanded a suite of over 100 automated tests in C#

**IT Support — Crisis Intervention and Recovery Center**, Canton, OH          *Jun 2016–Aug 2017*

◦ Trained 30 healthcare providers on the new electronic health record (EHR) system

◦ Co-authored training materials and EHR best practices with mental health professionals

◦ 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          *May 2020–May 2020*

Preact web application for musicians to find and play chords that match their songs

Speedrun Timer — github.com/timmcca-be/speedrun-timer-rn          *Jun 2019–Aug 2019*

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

Super Mario Kart AI — 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          *Jan 2017–Apr 2017*

JavaScript golf simulator based on models of aerodynamic forces, developed by a team of four