

Tim McCabe

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(330) 413-5633

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 Selenium 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