# Tim McCabe

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## Education

**University of Cincinnati** — Bachelor of Science in Computer Science *Expected 2021*

 GPA 3.92, Minor in Mathematics, University Honors Program, National Merit Scholar

## Experience

**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

◦ Fixed bugs in a C#/AngularJS full-stack application

◦ Modernized the user interface of an AngularJS website using Material design

◦ Fixed and created automated site tests in C#

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

◦ Created training materials and training staff to use the new electronic health record (EHR) system

◦ Worked with mental health professionals to determine the best EHR practices for staff

◦ Wrote drafts of policy related to naloxone administration

◦ Remotely transferred the doctor's handwritten notes into electronic medical records

◦ Started volunteering in June of 2014 and was hired after two years of steady productivity and ambition

## Skills

*Proficient* — Node.js, Java, JavaScript, React, and C++

*Familiar* — AngularJS, C#, Python, MATLAB, and Clojure

## Projects

PAG Tour — [github.com/ModelsHonorsExp/ModelsHonorsExp.github.io](github.com/ModelsHonorsExp/ModelsHonorsExp.github.io) *Jan 2017 - Apr 2017*

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

Super Mario Kart AI — [github.com/timmcca-be/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

Generic Blog Platform — [github.com/timmcca-be/Generic-Blog](github.com/timmcca-be/Generic-Blog) *Oct 2018 - Nov 2018*

 Blog website written in Node.js and React with OpenAPI 2.0 documentation

Speedrun Timer — [github.com/timmcca-be/Speedrun-Timer](github.com/timmcca-be/Speedrun-Timer) *Aug 2017 - Sep 2017*

 Android app with a precise countdown timer and audio cues