Eashwar **Mohan**

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Education

University of Michigan - Ann Arbor

BSE in Computer Science/Minor in Music   *Expected Date of Graduation: May 2020*
- GPA: 3.810

Employment

TechSmith Corporation   *Okemos, MI*

Software Engineer Intern   *May 2018 – August 2018*
- Worked on Camtasia, a video editing program made for creating presentations and video tutorials.
- Did both feature work and bug fixing on Camtasia, using MFC (C++), WPF (C# + XAML) as well as a C++ business logic layer.

Delta Dental of Michigan   *Okemos, MI*

Software Engineer Intern   *June 2017 – August 2017*
- Integrated Open ID Connect (OIDC)/SecureAuth with desktop and web applications
- Designed and implemented a REST API using the Java Persistence API (JPA), Hibernate, Wildfly, and Enterprise JavaBeans (EJB)

University of Michigan Dental Informatics   *Ann Arbor, MI*

Computer Consultant   *September 2017 – Present*
- Assist dental faculty and students of the School of Dentistry over email, phone, and in-person with technological issues
- File and assign tickets using the ITS and manage the Desktop Support front desk

Projects

Super MIDIo Bros.   *github.com/eashwar/super-midio-bros*

An application that allows you to control level 1-1 of Super Mario Bros. by playing the overworld theme on a
MIDI keyboard to control Mario. Made for MHacks 11. Frameworks used: pygame, pyautogui

now-playing: Spotify control for Bash   *github.com/eashwar/now-playing*

Command line tool allowing for the control of basic Spotify playback on the Bash shell. Frameworks/Tools
used: ExpressJS, Shell Scripting

Music Composition   *soundcloud.com/eashw*

Composed and arranged songs performed electronically and live using the DAW Reaper, piano, clarinet,
and bass clarinet.

Personal Website   *eash.fyi*

A personal website displaying a full list of past and current projects. Frameworks used: Bootstrap, Jekyll,
JQuery, MathJax

Activities

Video Game Music Club

Speaker/Director of Online Communications   *January 2018 – Present*
- Leading discussions and workshops on video game music analysis, music theory, composition, and music production
- See personal website for full list of presentations given at club
- Managing mailing lists, online calendar, Discord server, and social media for the club

FIRST Alumni and Mentors Network at Michigan (FAMNM)

Treasurer (2018-Present) & Member (2017-18)   *September 2017 – Present*
- Coordinating the 2018 FIRST Robotics Competition Kickoff and Robot Quick Build held at the University of Michigan in January
- Volunteering at FIRST events across the state of Michigan as a referee (FRC) and a judge (FTC)
- Writing grant and funding proposals to allow for improvement of events run by FAMNM and reimbursement of FAMNM volunteers

Michigan Hackers

Core Team Member   *January 2018 – Present*
- Developing the back-end for the Michigan Hackers website (michiganhackers.org) using Golang.
- Participating in weekly "hack nights"; attend "Lightning Talks" on various CS topics given by other members of the club, work on side
  projects, and interact with other CS students at the University of Michigan.

Skills

Languages
- C++, Java, JavaScript, Python, C#, XML, XAML, SQL, HTML/CSS, Markdown, LaTeX

Tools/OSes
- Git, Bash scripting, PowerShell scripting, Windows Subsystem for Linux (WSL), Windows, OSX, Linux

Music
- Cockos Reaper, Avid Pro Tools, MIDI sequencing, Clarinet Family (8 years), Piano (12 years), Composition (3 years)