Curriculum Vitae/Resume
Eashwar Mohan

Resume | UMID 31216382 | SUGS MSE CSE | ✉ eashwar@umich.edu | 📍 Ann Arbor, MI | % eash.dev

Education

University of Michigan - Ann Arbor
BSE in Computer Science/Minor in Music *September 2017-May 2020*
- GPA: 3.810

Lansing Community College
High School Dual Enrollment *September 2016-April 2017*
- GPA: 4.0. Courses Taken: Multivariable Calculus, Linear Algebra

Employment

Crowds and Machines Lab at the University of Michigan *Ann Arbor, MI*
Technical Lab Assistant *January 2019 – Present*
- Educate undergraduate researchers on various tools and skills, such as version control, and software architecture
- Hold office hours to assist researchers with technical problems and create/maintain documentation for the lab.

Roblox Corporation *San Mateo, CA*
Software Engineer Intern *June 2019 – August 2019*
- Designed and implemented a RESTful API in .NET currently receiving thousands of requests a second in production, which keeps track of dependencies between in-game assets on the Roblox game platform.
- Beta test a development workflow in Docker Compose, Hashicorp Nomad and Vault, and Drone CI.

TechSmith Corporation *Okemos, MI*
Software Engineer Intern *May 2018 – August 2018*
- Participated in updating Camtasia, a screen capture and video editing program.
- Implemented new features for Camtasia, using MFC (C++) and WPF (C# + XAML).

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

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), and Enterprise JavaBeans (EJB)

Projects

GridBeat *GitHub: projectlegato/projectlegato*
Music education puzzle game that teaches the player about drumming. Made with Unity2D.

Super MIDIo Bros. *GitHub: eashwar/super-midio-bros*
Control a level of Super Mario Bros. by playing the overworld theme on a MIDI keyboard. Made for MHacks 11. Made with pygame, pyautogui

now-playing: Spotify control for Bash *GitHub: eashwar/now-playing*
Command line tool to control of basic Spotify playback in bash. Made with Express, Bash

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.dev*
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/Bandleader   *January 2018 – Present*
- Lead discussions and workshops on video game music analysis, music theory, composition, and music production
- Manage mailing lists, online calendar, Discord server, and social media for the club
- Arrange popular video game music for perfomance by the club ensemble.

FIRST Alumni and Mentors Network at Michigan (FAMNM)

Treasurer (2018-Present) & Webmaster (2019-Present)   *September 2017 – Present*
- Fundraise over $25,000 to establish an endowed scholarship for FIRST alumni at the University of Michigan
- Draft and submit funding proposals to facilitate the improvement FAMNM events
- Maintain the frontend and backend of the club website located at https://famnm.club

Michigan Hackers

Web Team (2018-19) & Bootcamp Lead (2019-Present)   *January 2018 – Present*
- Organize weekly presentations to introduce new CS students to concepts essential to academic and career success.
- Topics include: version control, test-driven development, OOP and FP basics.
- Develop the back-end for the Michigan Hackers website (michiganhackers.org) using Gin, a Golang framework.

Awards

Leinweber Software Scholarship

Recipient   *January 2019 – Present*

Skills

Languages
- C++, Java, JavaScript, Python, C#, Go, 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)