Max Mossberg

mxmoss.me

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Education

- **University of Michigan** — Ann Arbor, MI
  Candidate for BSE in Computer Science, Class of 2023 — *2018 - 2023*
  - **Relevant Coursework**:
    EECS 280: Programming and Introductory Data Structures
    EECS 281: Data Structures and Algorithms
    EECS 370: Introduction to Computer Organization
    EECS 376: Foundations of Computer Science
    EECS 388: Introduction to Computer Security
    EECS 494: Introduction to Game Development
    EECS 481: Software Engineering
    EECS 484: Introduction to Databases
    EECS 485: Web Systems
    EECS 493: User Interface Development
    EECS 497: Human-Centered Software Design and Development
- **The Loomis Chaffee School** — Windsor, CT
  Diploma, Class of 2018 — *2014 - 2018*

Technical Skills

- **Languages**: Python, C/C++, C#, Matlab, HTML/CSS, Javascript, R, G-code, LaTeX
- **Technologies**: Unity, Jira, Git Version Control, Docker, Linux/Unix
- **CAD:** Solidworks, Fusion360, OnShape, Sketchup, Creo

Experience

- **JumpCutter, Intern** — Remote
  Worked to set up back-end infrastructure for JumpCutter's progressive web application. — *June. 2020 - August 2020*
- **SnapCab Inc, Intern** — Warrington, PA
  Assisted in the construction and installation of a new product, the SnapCab Portal. — *June 2017 - July 2017*

Projects

- **Snowbound** (EECS 494): A Christmas-themed platforming game made in Unity. Winner of the joint UM and EMU Winter 2020 Games Showcase.
- **RepView**(EECS 497): A website made for easily identifying US Congress and House Representatives based on district and for improving ease-of-access to information about representatives.
- **Vodinator** (JumpCutter): A tool used to help automate the video editing of long twitch livestreams. Made to be a part of the JumpCutter video-editing tool suite.
- **Handy Robotics** (Senior Project 2018): Built a robotic hand that plays Rock, Paper, Scissors; built with 3D printed parts and programmed with Python, using OpenCV for image analysis.
- Other programming projects can be found here: https://mxmoss.me/portfolio

Involvement

- **Michigan Mars Rover Team** — Ann Arbor, MI
  Implemented AR Tag and obstacle detection as a member of the computer vision sub-team. — *August 2019 - May 2020*
- **UofM Intelligent Ground Vehicle Team** — Ann Arbor, MI
  Utilized CAD to design and build a new chassis for the 2018-2019 season. — *August 2018 - May 2019*
- **UofM 3D Printing Club** — Ann Arbor, MI
  Assisted in repairing and maintaining the condition of 3d printers for club members to use. — *August 2018 - May 2019*