

Matt Rossman

📍 Chelmsford, MA | ✉️ rossman@gatech.edu | 🌐 mattrossman.com | 🌐 mattrossman | 🐦 the_ross_man

Overview

I'm a UX Engineer with an interest in web-based XR, perceptual interfaces, spatial computing, and cognition. Seeking roles that combine development and design in the 3D or XR (AR/VR) domain.

Education

Georgia Tech

MS IN HUMAN COMPUTER INTERACTION

Specialization in Interactive Computing

Class of 2022

Atlanta, GA

UMass Amherst

BS IN COMPUTER SCIENCE

Commonwealth Honors College · GPA: 3.96

Class of 2020

Amherst, MA

Skills

Tools: Git/GitHub · Unity · A-Frame · React/JSX · Blender · Photogrammetry · Adobe Suite · Figma

Languages: Python · Javascript · C · C# · Java · HTML/CSS

Platforms: Web · Oculus · Windows · MacOS · Linux

Projects

HMD.link

Aug 2020

🔧 Preact, Firebase

Personal Project

- Full stack responsive web app for easily sending links to a VR/AR browser from any secondary device
- Several daily users; lauded on Twitter as "a crucial service" for the WebXR ecosystem

Simulating a Mixed Reality Memory Palace

May 2020

🔧 MRTK-Unity, SketchUp, Blender

Undergraduate Honors Thesis

- Secured grant funding for a large scale psychological experiment to advance the body of knowledge on human memory
- Closely collaborated with campus management to survey and apply various 3D reconstruction methods for large-scale spaces
- Designed and prototyped a general purpose mixed reality memory tool based on award winning cognitive techniques

Curiouser VR

Jan 2020

🔧 Oculus Unity SDK

Team Project, MIT Reality Hack

- Alice in Wonderland themed VR game where players grow and shrink themselves to solve puzzles
- Implemented novel locomotion mechanic and core interactions alongside a team of talented artists and engineers

ForecasWatch 2

Aug 2019

🔧 Pebble SDK

Personal Project

- Developed a highly configurable, data-rich watchface optimized for low power wearable devices
- Over 600 downloads and favorited by over 200 users, many of whom rely on this app daily

Experience

Teaching Assistant

Sep - Dec 2019

UMASS AMHERST

Amherst, MA

- Helped a class of 40 students without CS background become comfortable programming in Python and the PyData stack
- Worked 1-on-1 with students in office hours, replied to 100+ Piazza posts, and gave detailed feedback on assignments

REU Research Intern

Jun - Aug 2019

UNIVERSITY OF TEXAS, ARLINGTON

Arlington, TX

- Researched and prototyped a novel gait analysis and visualization system using 3D reconstruction from pressure data
- Published in PETRA '20

Technology Development Intern

May - Aug 2018

OPTUM

Boston, MA

- Built a streamlined end-to-end CI/CD testing suite for a collection of RESTful microservices in an Agile environment
- Drastically improved the speed of testing and test writing for my team's domain