Emmanuel Eppinger

Undergrad at Carnegie Mellon (CMU) School of Computer Science (SCS), varsity NCAA swimmer for CMU. Currently pursuing a Bachelors of Science in Artificial Intelligence, Pre-Law

manny@cmu.edu
LinkedIn: eppingere
Portfolio: eppi.ng
GitHub: eppingere
DevPost: emmanuele

EDUCATION

Carnegie Mellon: School of Computer Science
Bachelors of Science in Artificial Intelligence, Pre-Law

Graduation: May 2021   GPA: 3.6

Currently pursuing a Bachelors of Science in Artificial Intelligence with Pre-Law. Relevant coursework:

- 15-251 and 15-252: Great Theoretical Ideas in CS and More Great Theoretical Ideas in CS
- 15-210: Parallel and Sequential Data Structures and Algorithms
- 15-381: Artificial Intelligence Representation and Problem Solving
- 36-218: Probability Theory for CS

EXPERIENCE

Metapac, SuperPAC — Founder & Director: metapac.org

June 2018 - Present

Started SuperPAC political organization with goal of working to improve education on election finance and research SuperPAC related research

Carnegie Mellon, Mobile Commerce Lab — *Web Developer*

June 2017 - August 2017

Developed method for measuring location inside of buildings on Carnegie Mellon campuses using WiFi point metadata, allowing for more accurate location measurement where normal GPS is less reliable

Carnegie Mellon, Personal Robotics Lab — *Intern*

June 2016 - August 2016

Used eye tracking data to find key points on objects where users focus and expect a robot to use when interacting with environment to find key points by mapping concentration of eye gazes and identifying high-concentration points

PROJECTS

Babble: 100% Offline Chat Platform — eppi.ng/pennapps18

4_x winning project at PennApps XVIII, developed completely offline messaging platform. Able to be installed, setup, and used without internet connection. Uses localized mesh network to send messages. Built with Android Things IoT platform, Android Nearby, Android Beam, MongoDB Atlas on Google Cloud, and MongoDB Stitch.

Gentrification Modeling — *Independent Project*

Used Zillow data to develop mathematical model that is able identify and predict gentrification both historically and in real time

Proficiencies

Languages:
Standard ML
Python
Java
C/C++

Tools:
Tensorflow
ROS
OpenCV
Git

Patents

Embedding Ads into User-Generated Content in Real-Time (Provisional) - Find-and-replace functionality but for branded objects in images and video

Boat Motor with No Moving Parts (Provisional)

Self-Assembling Reservoir Cover for Drought Ridden Areas (Provisional)

Interests

CMU Varsity Swimming: scoring member of the Championship Team, 3-time AMS Scholastic All-American

Orientation Staff: Orientation Counselor for Donner House and the School of Computer Science