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

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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*

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*

For team project for PennApps XVIII, built a chat platform that constructs mesh network between devices to send messages without internet access

Gentrification Modeling — *Independent Project*

Used Zillow data to develop a unique Gentrification Index that quantifies gentrification in a geographical region. Allows for gentrification to be identified historically and potentially allow for gentrification to be identified as it occurs.

Patents

Embedding Ads into User-Generated Content in Real-Time (Provisional) - Allows users to experience ads in a more natural way by allowing the branding of one company to be swapped for that of another in images

Boat Motor with No Moving Parts (Provisional)

Additional 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

Programming Skills

Standard ML, Python, C, C++, Java, ROS, OpenCV, git, Linux, Flask, AFS, Tensorflow