

# Emmanuel Eppinger

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

[manny@cmu.edu](mailto:manny@cmu.edu)  
LinkedIn: [eppingere](#)  
Portfolio: [eppi.ng](#)  
GitHub: [eppingere](#)  
DevPost: [emmanuele](#)  
(412)-726-8062

## EDUCATION

### **Carnegie Mellon: School of Computer Science** **Bachelors of Science in Computer Science, Pre-Law**

Graduation: May 2021

GPA: 3.6

Currently pursuing a Bachelors of Science in Computer Science with a Concentration in Machine Learning, 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](#)**

4x 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 to identify and predict gentrification both historically and in real time

## Skills

Languages:  
Standard ML  
Python  
Java  
C/C++

Tools:  
Gurobi  
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