

# Emmanuel Eppinger

Undergrad at Carnegie Mellon (CMU) School of Computer Science, varsity NCAA swimmer for CMU. Currently pursuing a BS in Computer Science with an expected minor in Language Technologies.

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## EXPERIENCE

### **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

## EDUCATION

### **Carnegie Mellon, School of Computer Science — *BS in CS***

August 2017 - Current

Currently pursuing a bachelors of science in computer science. Intending to minor in Language Technologies. 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
- 11-421: Grammars and Lexicons
- 36-218: Probability Theory for CS

## PROJECTS

### **Github: Book an Event in <5 clicks — *Tartanhacks '18***

As part of a team, built a website that allows for complete event experience from tickets to hotels to transport in fewer than 5 clicks

### **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