Emmanuel Eppinger

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EDUCATION

Carnegie Mellon: School of Computer Science

Bachelors of Science in Computer Science, Pre-Law

Graduation: December 2020 or May 2021 (We'll see)

Currently pursuing a Bachelor of Science in Computer Science with a concentration in Computer Systems, Pre-Law. Relevant coursework:

- 15-721: Advanced Database Systems
- 15-445: Introduction to Database Systems
- 15-440: Distributed Systems
- 15-451: Algorithm Design and Analysis
- 21-484: Graph Theory

SOFTWARE EXPERIENCE

Jump Trading — Software Engineering Intern

June 2020 - August 2020

MongoDB — Software Engineering Intern: go.mongodb.org

May 2019 - August 2019

Working as part of a team to build driver for Google's GoLang. Helped build and maintain a large codebase that is used by over 30000 developers who use MongoDB in GoLang. Worked on all parts of the driver, from high-level API design to low-level implementation of database wire protocols.

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. Used this data to create a model for important features of objects to create better and more natural interaction between robots and users

OTHER EXPERIENCE

Head Orientation Counselor, CMU First-Year Orientation: eppi.ng/hoc

November 2019 - October 2020

Planned, organized, and ran CMU's first-year orientation for more than 1600 students. Managed a team of ~160 orientation staff to run a 10-day orientation program.

Metapac, SuperPAC — Founder & Director: metapac.org

June 2018 - December 2018

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

PROJECTS

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

4x winning project at PennApps XVIII, developed completely decentralized messaging platform. Able to be installed, setup, and used without internet connection. Uses localized mesh network to send messages.

Memory Allocator: 15-213 MallocLab — eppi.ng/malloc

Built and optimized explicit memory allocator with highest memory utilization of all students in the course.

Skills

Languages:
GoLang
C
Python
Java
Standard ML
C++

Tools:
MongoDB
SQL
Git
Unix/Linux

Interests

CMU Varsity Swimming:
- 3-time scoring member of UAA team
- 2-time NCAA B-cut Qualifier
- 2-time Scholastic All-UAA
- 3-time AMS Scholastic All-American

Orientation Staff:
- Orientation Leader: 2019, Orientation Counselor: 2018

Teaching Assistant:
- Teaching Assistant for 15-112: Fundamentals of Programming
- 07-131: Great Practical Ideas in Computer Science

Student Government:
- Representative for School of Computer Science in Undergraduate Student Senate
- Member of Academic Affairs Committee
- Worked on academic policy issues from Add/Drop deadline changes to Transcript Release Policies