Ted Zhang

Git: @tCeZ | **Email:** tedzhang1995@gmail.com

Skills/Languages

Python, C++, Go, Java, Javascript (React / Redux, Nodejs), SQL, Agile (Scrum), Rust, Docker, Singularity, Solidity, Hardhat, CAD, Solidworks

Experience

August 2021 - PRESENT
Carnegie Mellon University - MLD/CBD, Pittsburgh PA – *Research Programmer*

- Lead and developed spatial process and relationship modeling software for HubMap consortium funded by the NIH.
- Published manuscript for open source software (SPRM, cellorganizer).

July 2019 - June 2022
ViZ (General Dynamic), Pittsburgh PA – *Senior Software Engineer*

- Lead project teams in specializing early stage projects and handling the initial POC implementation.
- Modernizing mission-critical client/server Java application, breaking up monolithic backend into microservices architecture.
- Implemented an authentication token server.
- Implemented Kafka to OmniSci message uploader.

October 2018 - July 2019
Amazon, Pittsburgh PA – *Machine Learning Engineer Intern*

- Implemented UI design overlay frontend and backend extractor of metadata from facial recognition.
- Implemented a highly scalable background job service running on Apache Mesos and Singularity Framework built for backend loading.

June 2016 - August 2016
Uber, San Francisco CA – *Hardware Engineer Intern*

- Part of 8 week initiative to prototype retrofit mounts for lidar cameras.
- Used Solidworks/CAD to conceptualize design and used FEA to determine failure points in rotational areas of mount.
- Designed and tested first rotational unit for lidar cameras.

Education

August 2020 - May 2022
Carnegie Mellon University, Pittsburgh, PA – *M.S Machine Learning*

4.0/4.0+

August 2013 - April - 2018
University of Pittsburgh, Pittsburgh, PA – *B.S Mechanical Engineer & Computer Science*

3.88/4.0

Awards

Summa Cum Laude | University Scholar | Dean's List (2014-2018)