RONG (TOMMY) WEI

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EXPERIENCE

Software Engineer Intern, TFX, Google Inc. **May 2020 – August 2020**
Mountain View, CA

- Create guideline end-to-end examples in TFX for natural language processing use cases.
- Match state-of-the-art fine-tuning accuracy using BERT Model in TFX for classification and question answering use cases.
- Prototype Tensorflow API for general purpose BERT preprocess and modeling.
- Identify and coordinate with tensorflow_text/transform team to fix bugs in release.

Full Stack Software Engineer Intern, BitGo Inc. **June 2019 – August 2019**
Palo Alto, CA

- Manage own intern project to write code and bring it to production.
- Implement WebAuthn 2FA protocol on both front and back end with Angular and Node.js.
- Write unit, integration, and end to end tests to cover all cases in my code.
- Back end implementation of the WebAuthn protocol using Node.js and create API's.
- Harden company's security measures: 1. Disallow user email discovery by randomizing server response time 2. Enforce password strength on user sign up.
- Participate in agile planning and execution using Jira as project manager and GitHub as source control.

Undergraduate Researcher, FHL Vive Lab at UC Berkeley **June 2019 – Present**
Berkeley, California

- Collecting Data, Communicating with other researchers.
- Utilize Rhinoceros 3D and Grasshopper to augment 3D data.
- Preprocess 3D data and train deep learning models with Tensorflow.

Lab Assistant for CS61A, EECS 16B at UC Berkeley **August 2019 – December 2019**
Berkeley, California

- Managing lab sections, helping other students with projects.

Research Intern, Tsinghua Berkeley Shenzhen Institution **May 2018 – July 2018**
Shenzhen, Guangdong, China

- Assist research on distributed machine learning strategy.
- Learn and apply keras, tensorflow, numpy, matlibplot.

PROJECT

GitHub Profile: https://github.com/tommywei110

- Google Tensorflow_Extended Contributions. NLP BERT End-to-End implementation.
- Scheme Interpreter: Final project for CS61A. Made an interpreter for the language Scheme using Python.
- CPU Design: Using Logisim to build a CPU that supports essential RISC-V code and pipelining.
- Operating System: PintOS project from CS162, implemented multithreading, clock algorithm, file system.

EDUCATION

University of California, Berkeley – Junior – Computer Science BA **August 2017– Present**

- Major in computer science. Cumulative GPA: 3.77
- Relevant classes taken: CS 61A, 61B 61C, 70, 198 – Computer Programs, Data Structures, Computer Architecture, Probability theories, Algorithms, Machine Learning DeCal
- Upper Division classes: CS 170, CS 161, 162, 188, 189, 126 – Efficient Algorithms and Intractable Problems Computer Security, Operating System and System Programming, Introduction to Machine Learning, Probability and Random Processes

Shenzhen College of International Education – High School **August 2013– April 2017**

- Cumulative GPA: 4.0. One of the two students to maintain a full GPA.