

WESLEY Y. TIAN

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EXPERIENCE

Clinc, Inc.

Software Engineering Intern – AI R&D

Ann Arbor, MI
Jun. 2018 – Present

- Building a company proprietary machine learning module in Python.
- Upgrading SVM classification and LSTM models from TensorFlow 1.0 to 1.8.

Michigan Data Science Team

President

Ann Arbor, MI
May 2018 – Present

- Leading executive team to handle logistics and plan events for organization of 600+ people.
- Planning interdisciplinary data hackathon for 100+ people by directing meetings.

Project Manager

Jan. 2018 – Apr 2018

- Lead undergraduate and graduate students to replicate results of 34-layer CNN with residual blocks in TensorFlow according to Deep Residual Learning for Image Recognition research paper.

Member

Sep. 2017 – Dec. 2017

- Engineered handcrafted ML features for ASSISTments Data Mining Challenge 2017, in which we placed 3rd worldwide.

University of Michigan

Research Assistant – Machine Learning for Data-Driven Decisions

Ann Arbor, MI
Sep. 2017 – Apr. 2018

- Collaborated with clinicians to develop a completely novel approach in predicting acute graft-versus-host disease in patients more accurately than any currently existing tool or clinician.
- Experimented with different longitudinal feature representations with goal of interpretability and better AUC score.
- Drafted research paper soon to be submitted to Biology of Blood and Marrow Transplantation journal.

Fidelity Investments, Inc.

Software Development Intern

Merrimack, NH
May 2017 – Aug. 2017

- Developed a database query web application tool in Angular and Java to improve automate data retrieval process.
- Placed 1st in internal company hackathon by developing Angular components and services for interview scheduler.

RaysHobby, LLC

IoT Development Intern

Amherst, MA
May 2016 – May 2017

- Produced new IoT gadgets by soldering components and designing PCBs using EAGLE.
- Flashed, tested, and debugged embedded circuits programmed in C++ with greater attention to detail than any other previous intern according to CEO & Founder Dr. Rui Wang.

EDUCATION

University of Michigan

Bachelor of Science in Computer Science and Data Science; GPA: 3.529/4.000
Coursework: Data Structures & Algorithms (A)

Ann Arbor, MI
Sep. 2017 – Present

University of Massachusetts, Amherst

Bachelor of Science in Computer Science and Mathematics; GPA: 3.758/4.000
Coursework: Artificial Intelligence (A), Game Theory (A), Linear Algebra (A), Multivariate Calculus (A)

Amherst, MA
Sep. 2015 – May 2017

PROJECTS

Fashion Filtr, HampHack 2017

Apr. 2017

- Implemented Indico's image recognition API in a web app to filter clothes online by users' visual preferences.

Wesley Remote

Aug. 2016 – May. 2017

- Spearheaded invention of IoT device in C using Arduino components to wirelessly regulate and monitor room temperature through RF signals.
- Programmed web app using Apache Cordova and Ionic cross-platform framework to allow scheduling and setting of temps at adjustable intervals through the gadget.
- Original PCB design later turned into modular IoT product for RaysHobby generating over \$100,000 in revenue annually.

SKILLS

Programming Languages: C++, C, Java, Python, Scala, R, TypeScript

Software: Angular, LaTeX, scikit-learn, Vim, Git, AWS

Other: Mandarin Chinese, Table Tennis, Violin, Leadership, Project Management