

Forest Hu

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EDUCATION

Languages: Python, Ruby, Java, Javascript, Go, SQL, Chinese

University of California, Berkeley – Berkeley, CA

2016 – 2019

Major: Electrical Engineering and Computer Science

Related Courses:

- Computer Security (CS 161)
- Database Systems (CS 186)
- Designing Information Devices and Systems I and II (EE 16A/B)
- Great Ideas in Computer Architecture (CS 61C)
- Concepts of Probability (Stat 134)[†]
- Intro to Artificial Intelligence (CS188)[†]
- Discrete Math and Probability Theory (CS 70)[†]
- Linear Algebra and Differential Equations (Math 54)[†]
- Data Structures (CS 61B)
- Intro to Machine Learning (CS 189)
- Efficient Algorithms and Intractable Problems (CS 170)[†]
- Operating Systems and Systems Programming (CS 162)

[†] A+; Unweighted GPA: 3.98

EXPERIENCES

Berkeley Artificial Intelligence Research (BAIR) Lab – Berkeley, CA

January 2018 – Present

Researcher

- Developing and testing a novel hierarchal reinforcement learning model
- Using Theano, Pytorch, openAI gym, MuJoCo, Python, AWS-EC2

Stripe – San Francisco, CA

May – August 2018

Software Engineering Intern

- Developed crucial features for Top-ups, a way for platforms to directly debit money into their Stripe account
- Improved the accuracy of and fixed bugs in Stripe's money tagging system

MapFit – New York, NY

June – December 2017

Machine Learning Intern

- Worked with the CTO to develop a machine learning based approach to identify doors in video
- Developed and trained convolutional neural networks on Google's Cloud Platform via Tensorflow

City of Hope – Duarte, CA

June – August 2016

Software/Research Intern

- Worked with Dr. Vaidehi Nagarajan to develop Python suite to simulate protein-ligand interactions

The Boeing Company – Huntington Beach, CA

June – August 2015

Software Engineering Intern

- Developed an application that analyzes military simulations; prototyped with the MEAN stack

PROJECTS

Tradr – Go, Javascript (React), SQL

February 2019

Building a customizable & competitive stock trading platform where users can paper trade with real data and/or compete with other users for prizes. Go backend and React frontend.

Crypto – Python, Javascript, PHP, SQL

July 2016

Designed and implemented an original cryptosystem in Python. Utilized Javascript for front end and PHP and MySQL for account and macro creation. (Can be found at crypto.foresthu.me)

Connotation Induced Technicolors – Java

October 2014

Developed a program that utilizes Stanford's NLP core to translate sentiment in a literary work into a relevant color spectrum. Designed and implemented in 24 hours, and won second place at TeenHacks

AWARDS

Jane Street Electronic Trading Challenge – First Place

July 2018

cryptoCTF – 2nd place out of 180 teams

May 2016

USACO – Gold

January 2015

Jet Propulsion Laboratory Annual Invention Challenge Finals – First Place

November 2014