

Education

Minerva Schools at KGI

COMPUTATIONAL SCIENCES & BUSINESS

- (Major)Applied problem solving
- (Major)Strategic Finance
- SAT 1520
- TOEFL 111
- Javascript = Python = Clojure > C > Java

San Francisco, United States

May. 2018 - May. 2022

Experience

Shunzhi Tech Inc.

PROJECT MANAGER & CODER

- Designed a change detection model on HSR satellite pictures(34% better than benchmark)
- Implemented real-time video stream object detection project
- Heterogeneous computing analysis and development on multiple service providers

Nanjing, China

Jun. 2020 - Sep. 2020

Freelance software development

SOFTWARE ENGINEER

- (In progress)A quantitative trading PaaS for user benchmarking against AI
- (In progress)ESG fund voting pattern research
- A face-emotion based lie detector using UNet framework
- Project Seichi, a place-of-interest GIS with React.js

Online

Jun. 2015 - PRESENT

Consulting with Frauenmond, TBM Inc.

CONSULTANT

- Analyzed Korean chocolate market with Porter's Five Forces Model and managerial accounting
- Strategized with Encouragement Study based on Genetic Matching and Regression Discontinuity
- Offered Neural Network model for Alpha/Beta tests on feature designing

Seoul, Korea

Oct. 2019 - Dec. 2019

Project Safe Francisco with Gensler Inc.

PROJECT MANAGER & CODER

- Developed a San Francisco simulation game, chosen as showcase project
- Scripted game events based on interviews and surveys
- Continuous intergration with Gensler Inc. and their architecture designing team

San Francisco, United States

Sep. 2018 - May. 2019

Nine Chapter Inc.

WEB DEVELOPER & COMPONENT DESIGNER

- Streamlined frontend building process
- Sped up project building speed by 20x with caching
- Bridged major front-to-back communications & REST API design

Shanghai, China

Aug. 2017 - Nov. 2017

Complex Network at the University of Pennsylvania

GROUP LEADER & CODER

- Analyzed social/bio network with stochastic simulation
- Implemented PageRank under a distribution network setting
- 200x speedup in a month's iteration

Philadelphia, United States

Jul. 2016 - Aug. 2016

IASC Asteroid Search

IMAGE ANALYZER & ASTEROID RESEARCHER

- Analyzed images for possible unidentified asteroid with image recognizing algorithm
- Reported results to Minor Planet Center, Harvard University
- Located 2 asteroids based on NASA-provided images

Wuxi, China

Jun. 2015 - Oct. 2015