

Max Marion

mmarion538@gmail.com | 512-934-3490

github.com/maxisawesome, linkedin.com/in/max-marion

EDUCATION

OCCIDENTAL COLLEGE | MATH AND COMPUTER SCIENCE DOUBLE MAJOR

August 2014 – May 2018 | Los Angeles, CA

- Graduated with a double major in Math and Computer Science
- One of three students to graduate from the Computer Science program in its inaugural year
- **Related Coursework:** Intro to Computer Science, Data Structures and Algorithms, Web Design and Programming, Topics in Media Representation on Cyborgs, Information Theory, Mobile Apps, Computer Organization.

CALIFORNIA TECHNICAL INSTITUTE

January 2016 – March 2018 | Pasadena, CA

- After completing all available Computer Science courses at Occidental, took additional CS classes concurrently at Caltech while still attending Oxy.
- **Related Coursework:** Decidability and Tractability, Fundamentals of Computer Programming, Learning From Data, Machine Learning and Data Mining, Projects in Machine Learning, C Language Shop, Function Programming Language Shop.

EXPERIENCE

MACHINE LEARNING ENGINEER, KUNGFU.AI | December 2018 - Present

Developing machine learning solutions for clients in computer vision, natural language processing, and a variety of other fields. Projects are full stack, requiring DevOps, data engineering, and software engineering skills.

RAINFOREST CONNECTION | April 2019 - Present

Leveraging deep learning to detect gunshots from ambient rainforest audio data. Current iteration of the network architecture uses a self-supervised deep learning technique to build representations with a supervised head on top of that

FULL-STACK DEEP LEARNING | August 2018

Completed the Full-Stack Deep Learning Bootcamp learning to make product quality code and machine learning models.

SPECIFIC PROJECTS AND CERTIFICATIONS

DENT DETECTION | CONVOLUTIONAL NEURAL NETWORK

Developed a Mask RCNN with a ResNet backbone capable of detecting, segmenting, and pricing the repair of dents on car exteriors from a single picture

TRADING CARD AUCTION PRICE PREDICTION | TWIN NETWORK

Engineered, tested, and maintained a twin network with triplet loss to predict sales prices of collectables at auction. Project targeted rare cards with high value, leveraging ElasticSearch to derive reference cards for seeding

CLICK THROUGH RATE PREDICTION | GRADIENT BOOSTED TREES

Designed and implemented a decision tree solution for CTR prediction on internet ads with a less than ten millisecond latency hard requirement and large training set imbalance

GOOGLE CERTIFIED PROFESSIONAL MACHINE LEARNING ENGINEER | CLOUD TECHNOLOGY AND GENERAL MACHINE LEARNING

Completed the Google Cloud certification exam for "Professional Machine Learning Engineer." This certification counts towards Google Cloud Partnerships for any company at which I am employed

SKILLS

TECHNICAL

Python • GCP • AWS
 Linux • Docker • Pandas
 TensorFlow • Keras • Pytorch
 Pytorch Lightning

SOFT

Comfortable working in organized settings and self-structured ones
 Understands receiving and giving mentorship
 Asks for help when needed