**EDUCATION**

Yinghao (Howard) Wang

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**University of California,**

**Los Angeles**

**BS, Computer Science**

**Expected March 2021**

**GPA: 3.8**

**Relevant Coursework:**  
Data structures, Algorithms & Complexity, Software Construction, Operating Systems, Programming Languages, Database Systems, Machine Learning

**AWARDS/HONORS**

**Upsilon Pi Epsilon**

**Eta Kappa Nu**

**Dean’s List**

**SKILLS**

* Python
* C++/C
* JavaScript
* Java
* SQL
* HTML/CSS
* TensorFlow/Keras
* Scikit-learn
* React/Redux
* Node.js/Express
* Flask
* Postgres
* MongoDB
* Docker
* Google Cloud AI Platform, Dataflow, BigQuery, Storage
* AWS EC2, S3
* Apache Spark, Beam
* Linux/Bash
* Git

**EXPERIENCE**

## **Honey (joinhoney.com)**, Los Angeles — Machine Learning Intern

## **June 2019 - Present**

* Used TensorFlow and Keras to create a neural network for similar products search via images by learning vector embeddings. Used FAISS API to efficiently index millions of vectors when searching for nearest neighbors
* Wrote SQL queries in Google Cloud BigQuery to extract training, validation, and testing datasets from click log data
* Implemented preprocessing and prediction pipelines using Apache Beam and Cloud Dataflow in Python, resulting in a throughput of 100+ predictions/second

## **Vertebrae**, Santa Monica — Software Engineering Intern

## **June 2018 - September 2018**

* Created an augmented reality e-commerce advertising platform using React/Redux
* Implemented RESTful APIs with Node.js, Express, AWS S3, MongoDB, and SQL for companies to create, read, update, and delete 3D assets
* Constructed an augmented reality experience builder, enabling users to create customized augmented reality experiences with products using JavaScript

## **Qualcomm**, San Diego — Software Engineering Intern

## **August 2017 - September 2017**

* Created an Android face recognition app for face unlocking
* Implemented the face enrollment and recognition UI with Java and XML files
* Wrote face and eyes detection algorithms using C++ and OpenCV
* Utilized Caffe and CNN models for facial feature extraction and recognition in C++

## **UCLA ACM**, Los Angeles — Dev Team Director & Project Manager

## **September 2018 - Present**

* Managed products created by ~30 students for internal use within ACM. Built the membership portal (used by 700+ students) using React & Redux, Node.js, Postgres, and Docker
* Automated the deployment process using Jenkins, AWS EC2, and Heroku

**UCLA DevX**, Los Angeles — Backend Developer

## **September 2018 - Present**

* Implemented smarter search algorithms for events and locations on the mappening.io team with Flask/Python
* Created a dashboard with React/Redux that enabled admins to manually add events to a MongoDB database

**PROJECTS**

**FUT Predictions**

* Created an Angular web application that created custom cards in FIFA 19
* Built a regression model using Keras to predict ratings of players and RESTful APIs in Python to serve predictions using TensorFlow

**Bruin Play**

* Developed a website that allows users to play and download music. Implemented dynamic UI with React/Redux
* Designed a set of RESTful APIs for user authentication with Google and Facebook and querying MongoDB database to add, play, and download songs