KEVIN ZHENG

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EDUCATION

UNIVERSITY OF MICHIGAN   Ann Arbor, MI
B.S.E. in Computer Science, Minor in Mathematics (3.88/4.0 GPA)   September 2016 — April 2020

SHANGHAI JIAO TONG UNIVERSITY   Shanghai, China
13-week cultural immersion and engineering coursework abroad   May 2017 — August 2017

EECS 381: Object Oriented and Advanced Programming · **EECS 482:** Intro to Operating Systems

Data Structures & Algorithms · Computer Architecture · Statistics · Combinatorics · Real Analysis

EXPERIENCE

Jump Trading   Chicago, IL
Software Engineer Intern   June 2019 — August 2019

Correlation One   New York, NY
Technical Product Manager Intern   April 2019 — May 2019

Facebook   Menlo Park, CA
Software Engineer Intern   January 2019 — April 2019
- Developing infrastructure on the Applied Machine Learning team to support improvements to Video OCR

Correlation One   New York, NY
Technical Product Consultant   December 2017 — Present
- Built bots (**Python**) to playtest initial stages of client artificial intelligence programming challenge, Terminal
- Performed deep-dive analysis on competitor data science and software engineering candidate testing platforms
- Curated datasets, executed, and iterated on several data science hackathons as technical lead

Amazon.com   Seattle, WA
Software Development Engineering Intern   May 2018 — August 2018
- Designed and developed service to validate customer tax registration numbers, taking ownership of plaintext critical data handling responsibilities from primary platform (**Java, Guice, Lombok**)
- Implemented encrypted customer blacklist with DynamoDB backend. Minimized database calls via caching. Minimized data custodian calls via intermediate keys (**AWS KMS, Lambda, SNS, SQS**)

University of Michigan Academic Innovation   Ann Arbor, MI
Data Science Intern   September 2017 — April 2018
- Investigated grade inflation by modeling predicted earned grades based on admissions testing scores
- Developed visualization tool to analyze grade distributions between college courses (**Python, Pandas**)
- Analyzed web traffic to explore co-enrollment networks using force-directed visualization methods

MECC Consulting Group   Ann Arbor, MI
Project Manager   January 2017 — Present
- Led team of 5 consultants to advise client's penetration strategy into international talent recruiting market
- Led team of 4 consultants to advise implementation of university tool for high school students
- Audited spending at local hospital, resulting in yearly savings of over **$500,000** in patient attendant spending

PROJECTS

Airbnb Superhost Analysis *Citadel Datathon at the University of Michigan - 1st Place Winner*
- Analyzed the quality of service between Airbnb hosts vs. "superhosts," i.e. hosts with listings >99% of the population, winning $20,000 prize. Data wrangling in **Pandas**, visualizations in **Tableau**.

Status *OSX Productivity Extension*
- An OSX productivity extension to interact with Google Calendar from the desktop (**Lua, Python**)

Glance *Personal News Aggregator - MHacks*
- Implemented web scraper to extract most salient keywords from company wikipedia pages for real-time news updates on users' stock investments (**Python, Google NLP, EventRegistry, Twilio APIs**)

ADDITIONAL

- Avid volunteer photographer, covering multiple campus student events. See photos for the Michigan Daily.
- Gave a seminar on data analysis using **Tableau** to over 200 students at the **2016 FIRST Championships**
- Proficient in C++, Java, Python, R, Matlab, SQL, LaTeX, Javascript, HTML/CSS