GEORGE L. ZENG

2303 Folsom St | georgelzeng.github.io/portfolio | (610) 209-2414 | georgelzeng@gmail.com

EDUCATION

University of California at Berkeley | GPA: 3.60 *May 2019*
Bachelor of Arts in Computer Science
    Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Artificial Intelligence, Efficient Algorithms and Intractable Problems, Cybersecurity, Operating Systems, Software Engineering, Databases

QUALIFICATIONS

    Languages: Python, Java, C, Swift, Go, HTML, Javascript, Ruby, SQL, PostgreSQL
    Frameworks: OpenCV, Pandas, Tensorflow, Keras, Scikit-learn, Rails
    Tools & Platforms: IntelliJ, Pycharm, XCode, Git, Jupyter, Kibana, RabbitMQ, Marathon, AWS S3
    Personal Website: georgelzeng.github.io/portfolio

PROFESSIONAL EXPERIENCE

Hive San Francisco, CA
Associate Product Manager *Jul 2019 – Apr 2020*
- Built efficient Python Pandas tools to parse 10 GB+ CSV files to extract client insights and draw metrics graphs
- Analyzed production codebase to debug client issues and to understand internal platform systems
- Utilized Postgres, RabbitMQ, Kibana, Marathon to resolve system issues and to triage greater problems to relevant teams
- Aligned platform, serving and machine learning team requirements to safely deploy machine learning models to clients
- Generated 50% increase in demo API usage by restructuring small-deal sales pipeline with documentation and evaluation
- Planned 6 class redefinitions and 2 features, including drugs model by formalizing bi-weekly product sales sync
- Analyzed performance metrics such as precision, recall, threshold movement, manual mod rate to understand models

Axon Enterprise (TASER International) Seattle, WA
Artificial Intelligence Software Engineering Intern *Jun 2018 – Aug 2018*
- Owned and executed end-to-end machine learning project from data collection to training and experimentation
- Detected US drivers' licenses with ~48% precision/recall at .5 IOU threshold with transfer learning + model updates
- Upgraded YOLO's Tensorflow implementation to support validation datasets/accuracy and learning rate schedules
- Increased data by 8x by developing pipeline to automate data collection, annotation, augmentation

UC Berkeley Data Structures and Algorithms (CS61B) Berkeley, CA
Lab Assistant *Jan 2018 – May 2018*
- Empowered labs consisting of ~25 students by facilitating understanding of basic data structures/algorithms
- Analyzed code in student projects to assist in error identification and project debugging

PROJECTS GITHUB.COM/GEORGELZENG

Portfolio Website (HTML/CSS/Javascript/React) *georgelzeng.github.io/portfolio* *Apr 2020*
- Implemented and designed portfolio website with HTML, CSS, and Bootstrap to showcase personal projects
- Developed image carousel using React lifecycle mounting functionality and CSS animations

Entrepreneurs at Berkeley (Ruby on Rails) *Club WebApp* *Mar 2019*
- Worked with 5 member team to build Ruby on Rails website within MVC framework
- Used ActiveRecord to manage a database of various user types, admins, superadmins, and regular members
- Built RESTful endpoint with Rails Router with several functions such as adding profile pictures, deleting users, etc.

Musicator (Swift) *iOS Application* *Mar 2018 – May 2018*
- Engineered application that reinvents musical practice experience by simplifying audio file manipulation
- Designed and programmed version of application that supports file import, playback, temporal, and rate control
- Integrated Spotify API in prototype, enabling account authentication and music search queries

File Store (Go) *Secure Client for Insecure Dropbox Clone* *Oct 2018*
- Designed cryptographically secure file storage client that ensures integrity, authenticity, and confidentiality through HMAC
- Implemented IND-CPA functionality with adding users, sharing files, revoking access, and modifying files

LEADERSHIP AND ACTIVITIES

Phoenix Consulting Group Berkeley, CA
President/Cofounder *Apr 2016 – May 2019*
- Cofounded organization dedicated to consulting for healthcare, biotech, and pharma firms in business strategies/operations
- Ensured quality of ~9 projects teams, increasing credibility to bring in clients such as Kaiser, Amgen, and Medtronic
- Established and iterated over objective candidate recruitment process, resulting in 75% expansion over 1 year
- Developed 6-week curriculum for incoming analysts, resulting in 25% decrease in analyst work revisions