# 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

## PROFESSIONAL EXPERIENCE

**Hive**                                                                                                    San Francisco, CA
*Associate Product Manager*                                                                                  *Jul 2019 – Apr 2020*
- Facilitated development of content moderation product, including 4 state of the art computer vision models
- 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
- Accelerated customer deliverable delivery by building python tools to process model outputs
- Diagnosed system issues with Postgres, RabbitMQ, Kibana, Marathon and triaged greater problems to relevant teams

**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
- Applied transfer learning to detect US drivers' licenses with ~48% precision/recall at .5 IOU threshold
- Upgraded YOLO's Tensorflow implementation to support validation datasets/accuracy and learning rate schedules
- Prioritized and designed project based on product requirements, use cases, and hardware capabilities
- Developed project pipeline to automate data collection, annotation, augmentation, increasing data by 8x
- Pitched and presented product idea to President of Axon

**Musicator** *iOS Application, simplifies audio playback for music related practice*                          *Mar 2018 – June 2018*
*Product Manager/Software Engineer*
- Conducted user surveys to identify key features and customer pain points to design minimum viable product
- Designed and programmed version of application that supports file import, playback, temporal, and rate control
- Featured by Berkeley's iOS class in mobile application showcase

## PROJECTS                                                                                    GITHUB.COM/GEORGELZENG

**Entrepreneurs at Berkeley** (Ruby on Rails) *Club WebApp*                                                        *Mar 2019*
- Led weekly meetings with client to roadmap features and prioritize work amongst team of 5 engineers
- 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.

**Portfolio Website** (HTML/CSS/Javascript/React) *georgelzeng.github.io/porfolio*                                 *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

**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
- Led project for client, Kaiser Permanente, to increase efficiency of innovation, resulting in a repeat project

## SKILLS AND INTERESTS

- Languages: Mandarin Chinese (fluent) and Spanish (conversational)
- Programming Languages: Python, Java, Javascript, HTML5/CSS, Swift, C , SQL, PostgreSQL
- Interests: Machine Learning, Finance, Fitness, Hiking, Breakdancing, Snowboarding