

George He

georgehe.me | github.com/georgehe4
georgewho96@gmail.com | 408.731.0123 | Cambridge, Massachusetts

EDUCATION

STANFORD

M.S. COMPUTER SCIENCE

GPA: 4.00

Concurrent

UC BERKELEY

B.S. ELECTRICAL ENG. &
COMPUTER SCIENCE

Highest Honors (Top 3%) GPA:

3.981/4.0

SKILLS

GENERAL

API Design

System Design

Software Architecture

Database Systems

Distributed Computing

Machine Learning

Advanced Algorithms

Computer Networks

Computer Security

IP Law

LANGUAGES

Experienced:

Python • Java • Scala • C

C++ • Javascript • Dart • Go

Familiar:

MySQL • Swift 2

FRAMEWORKS

Experienced:

Spark • Hadoop • Polymer

Google Cloud Platform

jQuery • AngularJS

Familiar:

Scalatra • App Engine

CERTIFICATIONS

PATENT AGENT

USPTO

August, 2018

LINKS

Github:// georgehe4

LinkedIn:// georgehe4

Portfolio:// georgehe.me

EXPERIENCE

GOOGLE

Jan 2016 - Present | Java, C++, Python | Cambridge, MA

- Google Cloud Monitoring - Stackdriver Backend

Tech lead - Design and launch 3 APIs for resource data collection across all Google Cloud services [i.e <https://cloud.google.com/kubernetes-monitoring>]

Design systems to handle 100k+ QPS and billions of resources

- API governance - enforcing API uniformity across Google

GOOGLE

May 2016 - Aug 2016 | Golang, Polymer, C++, AngularJS | Mountain View, CA

- Search Indexing - Tooling and infrastructure for machine-learning pipelines

GRAND ROUNDS

Jan 2016 - May 2016 | Python, AWS, Spark | Berkeley, CA

- Analysis of health care data to detect important signals in predicting patient care

GOOGLE

May 2015 - Aug 2015 | Dart, Python, Polymer, Google App Engine | Portland, OR

- Lead project to create frontend and backend for <https://dartpad.dartlang.org>

- Conducted UX and usability research in London

AUDIENCE INC

June 2014 - August 2014 | Python, Java, Android, Robot | Mountain View, CA

- Host software deployment - eS704 and eS774 chips

PHOTO LAB | ACQUIRED BY DROPBOX

January 2013 - June 2013 | Objective C | Palo Alto, CA

- Implementation of cross-platform photo sharing program

RESEARCH

UC BERKELEY AMPLAB

January 2016 - December 2016 | Berkeley, CA

- Mango, a distributed data visualization interface for ad hoc queries on genetic data

- Preprint: <https://www.biorxiv.org/content/early/2018/07/03/360842.1>

MACHINE LEARNING AT BERKELEY (ML@B)

January 2016 - December 2016 | Berkeley, CA

- Music recommendation using latent factor analysis and functional neural networks

UC BERKELEY SONGLAB

August 2015 - December 2015 | Berkeley, CA

- Applying machine learning to identify encrypted malware

- Polymorphic code analysis and detection of common encryption algorithms

PROJECTS/COMPETITIONS

UC BERKELEY STATISTICS DATAFEST

April 2016 | Python, Spark, R

- Applying ML and statistical models to predict and market TicketMaster data

SENTIMENT CHAT

October 2015 | <http://devpost.com/software/sentiment-chat> | Azure, Python

- Natural language processing for analyzing message sentiments

3D MODELING - MICROSOFT KINECT

January 2014 | <https://github.com/Georgehe4/kinectproject>

- Creation of navigable 3D point cloud using C++, Microsoft Kinect & OpenGL libraries

SOFTWARE ENGINEER III

SOFTWARE ENGINEER INTERN

DATA SCIENCE CONSULTANT | ML@B

SOFTWARE ENGINEER INTERN

SOFTWARE ENGINEER INTERN

SOFTWARE ENGINEER INTERN

UNDERGRADUATE RESEARCHER

UNDERGRADUATE RESEARCHER

UNDERGRADUATE RESEARCHER

BEST IN SHOW | OVERALL WINNER

CALHACKS 2015 | MOXTRA API WINNER

3D IMAGE PROCESSING