

George He

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EDUCATION

UC BERKELEY
B.S. ELECTRICAL ENG. & COMPUTER SCIENCE
GPA: 3.981/4.0
Aug 2014 - Dec 2016

LINKS

Github:// georgehe4
LinkedIn:// georgehe4
Portfolio:// georgehe.me

COURSEWORK

UNDERGRADUATE

Machine Learning
Artificial Intelligence
Advanced Algorithms
Database Systems
Machine Structures

COURSE STAFF

Designing Informational Devices
Structure & Interpretation of Computer Programs

SKILLS

LANGUAGES

Experienced:
Python • Java • C • C++
Javascript • Dart • Scala • Go
Familiar:
MySQL • Swift 2 • Assembly

FRAMEWORKS

Experienced:
Spark • Polymer • jQuery
AngularJS • GAE • Scalatra
Familiar:
Meteor • Hadoop

SOCIETIES

Eta Kappa Nu | Officer
Tau Beta Pi | Member

EXPERIENCE

GOOGLE

January 2016 - Current | Cambridge, MA
• Google Cloud Monitoring - Stackdriver
• Backend development [container resource ingestion and monitoring]

SOFTWARE ENGINEER II

GOOGLE

May 2016 - August 2016 | Mountain View, CA
• Developed with: Golang, Polymer, C++, AngularJS, Javascript, Borg
• Search Indexing - Create experiment pipeline tools for machine-learning focused tests

SOFTWARE ENGINEER INTERN

GRAND ROUNDS

January 2016 - May 2016 | Berkeley, CA
• Developed with: Python, AWS, Spark
• Analysis of health care data to detect important signals in predicting patient care

DATA SCIENCE CONSULTANT | ML@B

GOOGLE

May 2015 - Aug 2015 | Portland, OR & London, UK
• Developed with: Dart, Python, Polymer, Google App Engine
• Lead project to create <https://dartpad.dartlang.org>
• Conducted UX and usability research in London

SOFTWARE ENGINEER INTERN

AUDIENCE INC

June 2014 - August 2014 | Mountain View, CA
• Developed with: Python, Java, Android SDK, Robot
• Host software deployment - ensuring compatibility on eS704 and eS774 chips.

ENGINEERING INTERN

PHOTO LAB

January 2013 - June 2013 | Palo Alto, CA
• Implementation of cross-platform photo sharing program in Objective C

ENGINEERING INTERN | ACQUIRED BY DROPBOX

RESEARCH

UC BERKELEY AMPLAB

January 2016 - Present | Berkeley, CA
• Mango, a data visualization interface for ad hoc queries on genetic data
• Applications of machine learning and distributed computing [Spark]

UNDERGRADUATE RESEARCHER

MACHINE LEARNING AT BERKELEY (ML@B)

January 2016 - Present | Berkeley, CA
• Music recommendation using latent factor analysis and functional neural networks

UNDERGRADUATE RESEARCHER

UC BERKELEY SONGLAB

August 2015 - December 2015 | Berkeley, CA
• Using machine learning to determine encrypted malware
• Focus on polymorphic code analysis and detection of common encryption algorithms

UNDERGRADUATE RESEARCHER

PROJECTS/COMPETITIONS

UC BERKELEY STATISTICS DATAFEST

April 2016
• Developed with: Python, Spark, R
• Applying ML and statistical models to predict and market TicketMaster data

BEST IN SHOW | OVERALL WINNER

SENTIMENT CHAT

October 2015 | <http://devpost.com/software/sentiment-chat>
• Developed with: Azure, d3js, Python, Moxtra
• Natural language processing and analysis of message sentiments

CALHACKS 2015 | MOXTRA API WINNER

3D MODELING - MICROSOFT KINECT

January 2014 | <https://github.com/Georgehe4/kinectproject>
• Creation of navigable 3D point cloud using C++, Microsoft Kinect & OpenGL libraries

3D IMAGE PROCESSING