

# 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

### FRAMEWORKS

**Experienced:**  
Spark • Polymer • jQuery  
AngularJS • GAE

**Familiar:**  
Hadoop • Scalatra

## SOCIETIES

Eta Kappa Nu | Officer  
Tau Beta Pi | Member

## EXPERIENCE

### GOOGLE

Jan 2016 - Current | Java, C++, Python | Cambridge, MA  
• Google Cloud Monitoring - Stackdriver  
• Cloud resource metadata collection and reporting backend

**SOFTWARE ENGINEER II**

### GOOGLE

May 2016 - Aug 2016 | Golang, Polymer, C++, AngularJS | Mountain View, CA  
• Search Indexing - Create experiment pipeline tools for machine-learning focused tests

**SOFTWARE ENGINEER INTERN**

### GRAND ROUNDS

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

**DATA SCIENCE CONSULTANT | ML@B**

### GOOGLE

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

**SOFTWARE ENGINEER INTERN**

### AUDIENCE INC

June 2014 - August 2014 | Python, Java, Android, Robot | Mountain View, CA  
• Host software deployment - eS704 and eS774 chips.

**SOFTWARE ENGINEER INTERN**

### PHOTO LAB | ACQUIRED BY DROPBOX

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

**SOFTWARE ENGINEER INTERN**

## 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 | 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> | Azure, Python  
• 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**