

# EDMUND Z. TIAN

## Software Engineer

Email: [edmund.tian@berkeley.edu](mailto:edmund.tian@berkeley.edu)  
Phone: (678) 447 - 2254  
Website: [edmundtian.com](http://edmundtian.com)  
Github: [github.com/3dmund](https://github.com/3dmund)  
LinkedIn: [linkedin.com/in/edmundtian/](https://linkedin.com/in/edmundtian/)

## EDUCATION

**University of California, Berkeley | Berkeley, CA**

B.A. Computer Science

Expected May 2019

Major GPA: 3.7

Honors: Upsilon Pi Epsilon – Top third of CS majors (2016), AP Scholar with Honor (2014)

Coursework: Data Structures, Algorithms, ML, AI, Data Science, Machine Structures, Discrete Math/Prob, Linear Algebra

## SKILLS

Languages	Java, Python, Swift, Objective-C, C, HTML, CSS, JavaScript, GraphQL, SQL
Frameworks/Libraries	jQuery, Apollo, Spark, Spring, Node, Express, Cocoa Touch, OpenMP NumPy, JavaFX
Services/APIs	Firebase, Maven, Cassandra, MySQL, DSE Graph, Solr, Facebook, Google Maps

## EXPERIENCE

**Facebook | Menlo Park, CA**

Incoming Software Engineering Intern

May 2018 - August 2018

- TBA

**Intuit | Mountain View, CA**

Software Engineering Intern

May 2017 - August 2017

- Extended QuickBooks Self Employed's mileage tracking feature by implementing saving of frequent locations.
- Saving users time by enabling automatic marking of most frequent trips, found using DSE Graph, TinkerPop, and Groovy.
- Engineered backend of feature using Java, Solr, Apache ML library, Spring, MySQL, Cassandra, and DSE Graph.
- Implemented feature in iOS app using Swift/Objective-C and communicating with backend using GraphQL/Apollo.

**UC Berkeley EECS Department | Berkeley, CA**

CS 170 (Efficient Algorithms) Teaching Assistant: Fall 2017

January 2016 - December 2017

- Developed core CS fundamentals in Berkeley students taking one of the most popular upper division CS courses.
- Instruct students through hosting weekly discussions and office hours and answering questions on the class Q&A forum.

CS 61B (Data Structures) Teaching Assistant: Spring 2017

- Empowered students in data structures class of 1,400 for real-world software engineering by inspiring passion for CS and teaching how to properly utilize algorithms and data structures through holding discussions, labs, and office hours.
- Instill strong habits of writing clean/modularized code by giving feedback for and grading projects, labs, and homework.

**Venture Strategy Solutions | Berkeley, CA**

Internal Vice President: Spring 2018

January 2017 - Present

- Fostering community in an organization of 30+ members by organizing internal activities and planning club meetings.
- Influencing the quality of work and culture of the club by recruiting and interviewing project managers and consultants.

Project Manager (Gradescope): Fall 2017

- Led five consultants for a growth project for Gradescope, an EdTech startup that's raised over \$2.5M in funding.
- Expanded Gradescope's user base by implementing a referral program to utilize teaching assistants to refer professors.
- Improve UX by recommending and designing product enhancements for common problems identified in user interviews.

Senior Consultant (Polymorph): Spring 2017

- Foster growth in Polymorph, a series A startup ad server, by offering recommendations for expanding into social media.
- Facilitate evaluation of research by creating mockups to help the CEO visualize how Polymorph could enter the industry.

## PROJECTS

**HouseMate - [itunes.apple.com/us/app/housemate-your-homes-best/...](https://itunes.apple.com/us/app/housemate-your-homes-best/...)**

December 2016 - January 2017

- Engineered core functionality of an iOS app that systemizes chores through generating random rotations.
- Set up back-end of project created with Swift, Cocoa Touch, Facebook API, and Xcode by connecting to Firebase.
- Integrated push notifications by deploying a Node.js/ Express script on Heroku and adding Firebase SDK to the server.

**Malaria Visualization - [malaria-visualization.herokuapp.com](https://malaria-visualization.herokuapp.com)**

October 2016

- Engineered visualization of malaria mortality in children using HTML, CSS, JavaScript, and data downloaded from WHO.
- Utilized Java and JSON.simple libraries to parse and write JSON files. Used Google Maps API to get lat/lng of countries.