# Hao Le (How)

Email: HaoLe@berkeley.edu          Phone: 925-301-3660

LinkedIn: linkedin.com/in/hao-le

Website: haonle.com

## EDUCATION

**UC Berkeley**

B.A. Computer Science

Expected Dec 2018

## RELEVANT COURSEWORK

- Structure and Interpretation of Programs
- Data Structures and Algorithms
- Multivariable Calculus
- User Interface Design and Development
- Algorithms and Intractable Problems
- Intro to Artificial Intelligence
- Linear Algebra and Differential Equations
- Machine Architecture
- Discrete Math and Probability
- OS and Systems Programming

## EXPERIENCE

**Software Engineering Intern** *(PING)* **–** Berkeley CA          Jun 2017 – Aug 2017

- Research, Design, and Implement scalable web application for tracking emails and calendar events
- Set up Exchange development server on Azure
- Utilized Node, MongoDB, Express, CSS, and gitflow workflow
- Sole responsibility, scalable clean code focus, and documentation of project

**Lab Assistant and Computer Science Mentors** *(CS61B)*          Aug 2016 – Jun 2017

- Teach Berkeley undergrads and assist in coding assignments
- Tutor groups of 4-5 students

## PROJECTS

**Alexa Skill Tone Analyzer** *(Python, AWS, DynamoDB)*

- Utilized AWS (Lambda services and Dynanmo DB) to create a journaling Alexa App
- Integrated IBM Tone Analyzer API

**Recipe Assistant** *(HTML, jQuery, AWS, DynamoDB)*

- Used HTTP, HTML, Bootstrap, and jQuery to build front end web app
- Displayed data from Dynamo DB hosted on Amazon Lambda server

**Facebook Time Chrome Extension** *(JavaScript, Jquery, HTML)*

- Kept track of time spent on facebook and specific pages
- Utilized bootstrap to build extension UI and chrome storage to store data

**Ping Exchange Integration** *(Node, ASP.NET, TypeScript, HTML, MongoDB, Express )*

- Ported project from ASP.NET to NodeJS
- Utilized APIs to communicate between multiple servers

**Bearmaps** *(Java)*

- Maps Web application: implemented routing and location data with A* search algorithm

**Parallelism** *(Python)*

- Utilized Spark MapReduce parallelism to increase JPEG compression speed by 5x
- Utilized OpenMP and intrinsic parallelism to increase Matrix Multiply speed by 5x

**Website** *(html, CSS)*

- Personal website with focus on responsive design (work in progress)

## SKILLS

- Proficient: Python, Java, C, C#, TypeScript, Git
- Familiar: JavaScript, HTML, CSS, JSON, Node, Figma, Express, MongoDB