

# Katherine Chao

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## EDUCATION

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**Grenoble INP** MSc. Informatics, specialization in Human Computer Interaction, (Sep 2016 – Sep 2017)  
**University of California, Berkeley** B.A. Computer Science (Aug 2012 – May 2016)

## SKILLS

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**Languages** Python, Javascript, Java, HTML, CSS, SQL  
**Frameworks** Angular, Django, Android, d3, Symfony2, Play/Scala, Backbone.js, Ember.js  
**Tools** Git, AWS

## WORK EXPERIENCE

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- Frontend Developer Intern** *ConnectedCycle* (Mar 2017 – Aug 2017) *Paris, France*
- carried out a user study and designed mockups a completely new version of the fleet management portal
  - fully implemented from scratch the proposed designs using Angular 4 and Bootstrap
- Frontend Engineer Intern** *Nventi* (Nov 2015 – May 2016) *Berkeley, CA*
- overhauled the entire front end of the web app, working primarily with Ember.js and d3
  - involved in brainstorming, iteration based on user feedback, and contributed many ideas to the final product
- Software Engineering Intern** *CourseHero* (Jun 2015 – Aug 2015) *Redwood City, CA*
- worked on both the backend and front end of the public facing site using Symfony2
  - tasks included optimizing webpages for better performance, creating new content, and bug fixes
- Web Developer Intern** *Binwise* (Jun 2014 – Aug 2014) *San Francisco, CA*
- created web pages in Play/Scala, Backbone Marionette, and a customized Wordpress backend
  - set up and securely configured Amazon EC2 and RDS instances on which the site now runs
- Website Assistant** *UC Berkeley* (May 2013 – May 2014) *Berkeley, CA*
- edited web pages, formatted content and migrated website content using Drupal CMS

## PROJECTS

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- GoodVibes** *Java, AndroidStudio*  
Android application with an accompanying smartwatch component targeted towards teens: allows them to post anonymously on a forum and send support in the form of messages with customized vibrations
- Automatic Image Stitcher** *Python, Flask, Javascript, Redis*  
Creates an almost seamless composite of two images using a discrete Poisson solver
- Personal Artwork Website ([www.silver-islands.com](http://www.silver-islands.com))** *Django, PostgreSQL*  
Features include a fully featured image gallery and the ability to comment on articles, started in 2006

## ACTIVITIES AND HONORS

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- Grenoble INP Foundation Scholarship** Awarded to 30 students in total for academic excellence
- Member of Upsilon Pi Epsilon Computer Science honor society** For being in the top 30% of Computer Science students at UC Berkeley
- UC Berkeley Dean's Honors List** Awarded to the top 4% of the College of Letters and Science's students