

# Vincent Liaw

## UC San Diego '18

B.S. Computer Science  
Minor: Cognitive Science

Fremont, CA

### CONTACT

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### SKILLS

LANGUAGES - Experienced  
Python, Javascript, C++,  
HTML, CSS

LANGUAGES - Familiar  
Java, C, SPARC

TECHNOLOGIES UNIX, Vim, Git,  
PostgreSQL, AWS,  
Heroku, Sketch, Jekyll

FRAMEWORKS Flask, Tornado, Express,  
React, Redux, JQuery,  
Foundation, Bootstrap,  
Scikit-learn, OpenCV,  
Phalcon

### ORGANIZATIONS

DESIGN.UCSD Tech chair - organizes  
meetings, holds  
March 2015 workshops and  
- Present organized development  
and built most of Jekyll  
site [http://  
designucsd.org](http://designucsd.org)

DS3@UCSD Member - Attended  
workshops and  
December 2015 compared deep  
- March 2016 learning classifiers  
including ConvNets and  
M3N on the MNIST and  
YaleB Face datasets.  
Implemented KNN,  
KMeans, and  
multinomial Bayes'  
from scratch

## EXPERIENCE

### Web Development Intern @ Solomid Corporation

January 2016 - Present

- Built frontend of <http://tsm.gg> using React/Redux
- Rebuilt frontend guide creation functionality and launched usability and interface fixes for the revamped <http://solomid.net>
- Built an **async, self-caching League of Legends data tooltip API** used on <http://probuilds.net> and <http://champion.gg>
- Used ES6+ Javascript, React, JQuery, Foundation, and Phalcon

### Instructional Apprentice @ UC San Diego

September 2016 - Present

- FA16: COGS187A: Cognitive Aspects of Digital Design
- WI17: COGS120: Human-Computer Interaction
- Teaching introductory web development and design principles to a class of 100+ students. Held workshops and office hours.
- Wrote script to automate grading of HTML/CSS coding projects

### Tech Lead - SD Hacks

March 2016 - Present

- Coordinated and participated in design and development of SD Hacks site <http://sdhacks.io> and resume filtering tool for sponsors, built using MEAN stack.
- Crafted flyers for SD Hacks events and prototypes of [sdhacks.io](http://sdhacks.io).
- Designed and built Hack Day site [hackday.sdhacks.io](http://hackday.sdhacks.io)

## EDUCATION

### University of California, San Diego

October 2014 - Expected June 2018 Major GPA - 3.73 - Provost Honors

B.S. Computer Science, Minor in Cognitive Science

Topics learned: computer organization, systems programming, web design and software development, data structures, algorithms, and machine learning

COGS187B - Practicum in Professional Web Design

CSE100 - Advanced Data Structures

COGS185 - Advanced Machine Learning Methods

CSE101 - Design and Analysis of Algorithms

CSE110 - Software Development

## PROJECTS & HACKATHONS

### Design at UCSD Website

June - September 2016 - [designatucsd.org](http://designatucsd.org)

- Did user research, storyboarding, sketching, wireframing, prototyping and built resulting site with HTML/CSS and Jekyll
- Wrote and presented Markdown HTML/CSS workshop tutorials

### BitMonster - 1st Place Blockchain API @ CalHacks

October 2015 - [bitmonster.herokuapp.com](http://bitmonster.herokuapp.com)

- Multiple-alias and anon Bitcoin payment web application
- Worked on Bitcoin wallet authentication, transactions and frontend; used the Blockchain API, Flask, HTML/CSS/JS, ReactJS, JQuery, Heroku, SQLite. Won \$1250 in Bitcoin

### Kingmaker @ Money2020 Hackathon, Las Vegas

November 2015

- Zero stop shopping - uses **facial recognition** to authenticate and commit seamless checkouts.
- Worked on **facial recognition** and **transaction processing** and **frontend** using OpenCV, NumPy, MeteorJS, ReactJS