Vincent Liaw

UC San Diego '18

B.S. Computer Science 3.680
Minor Cognitive Science 3.925

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Experience

UI Engineer Intern @ LinkedIn
June - September 2017

- Built and multivariate tested **new layouts displaying ad campaign insight data** and added **Kafka tracking functionality** to improve ad usage and reduce churn. Tested with **Mocha + SinonJS**
- Added internal semaphore component and functionality for users to **report text ads** on **linkedin.com web**
- Used **Scala (Java Play)** and **ES6 BackboneJS**
- Prototyping early stage **canvas ads** and **split testing** features using **Sketch + Invision**

Undergraduate Research Assistant @ UC San Diego
January - June 2017

- Supervisor: **Nadir Weibel**. Built **visualization dashboard** for HIV/AIDS researchers to visualize clinical patient data
- Developed **interconnected maps, barcharts** and **line graphs** and **brushing and linking system** with Redux state
- Implemented ability to **inspect and compare individual data clusters** to find trends, distribution and relationships
- Used **ES6 React/Redux, D3JS**, and **LeafletJS**. See **avantgarde.ucsd.edu**

Web Developer @ Solomid Corporation
January 2016 - January 2017

- Built frontend of **tsm.gg**, Team Solomid's news site using **React/Redux**, **designed** and **built style guide** for news articles
- Optimized UI of **solomid.net** and **overwatchelite.net** to work seamlessly across **both mobile** and **desktop**
- Built an **async, self-caching League of Legends data tooltip API** used on **probuilds.net** and **champion.gg**
- Extensive use of **ES6+ Javascript, React/Redux**, and **SCSS**, following **AirBnb ES6 and SCSS style guides**.

Tutor & Instructional Apprentice @ UC San Diego
September 2016 - March 2017

- Taught full-stack web development and design principles (including one lecture) to classes totaling **300+ students**
- **WI17: CSE170/COGS120: Interaction Design - Scott Klemmer**
- **FA16: COGS187A: Cognitive Aspects of Digital Design - David Kirsch**
- **Led studio section** for students to prototype and iterate on projects by providing feedback and facilitating discussion
- Wrote script to **automate grading** of HTML/CSS portfolio coding project

Skills

Languages and Tools

- **Javascript, ES6** (React + Redux, Express)
- **HTML/CSS** (+ PUG/SCSS+BEM)
- **Python** (Flask, Tornado, sklearn/numpy, OpenCV)
- **Prototyping** (Sketch + Invision)
- **Deployment** (Git, Heroku, AWS S3)
- **Databases** (Mongoose, SQL through SQLAlchemy)

General

- **UI/UX Design process** (user research, wireframes, prototyping, multivariate/A/B testing)
- **Visual design/rebranding**
- **Web and mobile-friendly UI/UX design and development**
- **Teaching** (led workshops, studios, and lecture)

Campus Involvement

Tech & Design Lead @ SD Hacks
March 2016 - Present

- **Redesigned** and **rebranded** the **SD Hacks 2017 web experience**. See **vincentliaw.me/projects/sdhacks2017**
- Prototyped and built frontend of **sdhacks.io**. Created mockups for sponsor resume filtering tool, emails, and **centralized style guide** with **Sketch + Invision**
- Also designed and built Hack Day site **hackday.sdhacks.io** and HackXX site **hackxx.sdhacks.io**

Incoming VP External @ Design at UCSD
March 2016 - Present

- **Tech Chair from 2016-17** and general board member since March 2015
- Built sites and tech tools for workshops and conferences. Built **designatucsd.org** and **ucsddesignconf.com**

Projects & Hackathons

Guorient
web + iOS native app - March - June 2017

- Tool for event organizers to effortlessly **create event maps** viewable on **web** and **iOS native application**
- Added ability for users to **draw, color-code** and **label** key locations and boundaries on **Leaflet** with **Open Street Maps** using multiple API polygon layers
- Built using **React+Redux, Leaflet**, and **React-Native**

BitMonster - 1st Place Blockchain API @ CalHacks
bitmonster.herokuapp.com - October 2015

- Multiple-alias and anon **Bitcoin payment web application,** using **Flask**
- Built Bitcoin wallet authentication, transaction flow and splash page. Won 5 BTC = (currently) **20k USD**