

Stephen Chow

Education

University of California, Santa Cruz – 2012-2016

- B.S. Molecular, Cellular, & Developmental Biology with an emphasis in Biochemistry

Skills

- React.js, Node.js, npm, Redux, React-Native, Javascript, Mongo.db, Express.js, ES6, AJAX, Unix, basic shell scripting, RESTful APIs, CRUD, O-Auth, APIs, learning Python

Work Experience

Learning Web Development (Self-Taught) 2018-Present

- Experience with Mongo, Express, React, Node
- Focusing on front-end, primarily React/React-Native
- Build projects to solidify my skills and further learning
- Attend meetups and hackathons to further knowledge and get insight from software engineers

UCSF Kwok Lab Lab Manager – 2017-Present

- Next-generation whole genome mapping
- Lab Maintenance/Ordering
- Attend conferences/workshops to stay up to date in the field
- Bioinformatics – Unix, Python, basic shell scripting

UCSF Puck Lab Staff Research Associate – 2017-Present

- Gene Editing
- Cell Culture
- Cell & DNA based assays
- When time permits develop Python workflow to speed up data analysis

Photographer – 2010-Present

- Freelance photographer for campus clubs and orgs, product photography, and individuals seeking professional images. Provided professional post-processing to RAW images in Adobe Lightroom and Photoshop

Mérieux NutriSciences Microbiology Technician – 2016-2017

- Aseptic/Sterile technique
- Quality Control
- LIMS (Laboratory Information Management System)

Big 5 Sporting Goods Sales Associate - 2015

- Cater to customers and help them to find a product that best fits their needs and interests

UCSC Intramural Sports Referee – 2013-2014

- Referee a variety of sports ranging from indoor soccer, basketball, and softball

Volunteer Experience

UCSC Balloon Brigade – 2013-present

Stephen Chow

- Make balloon animals for children and patients in hospitals/nursing homes.

The Earlwood Care Center - 2012

- Entertain elderly residents with games and arts & crafts; engage in conversations with residents; serve meals to residents; assist in other areas where help is requested.

Cedars-Sinai Medical Center – 2010-2011

- Cardiac Unit (1 year), Diabetic Unit (1 year)

Publications

- **The 22q11 low copy repeats are characterized by unprecedented size and structure variability**
<https://www.biorxiv.org/content/early/2018/09/12/403873>
- **Extraction, Isolation, & Characterization of LDH from Bovine Hearts**
<https://www.dropbox.com/s/u5aevf4xh00r625/Lab%20Report-Exp%20%233.docx?dl=0>

Code-related Projects

- stephenchow.info (Portfolio)
- <https://vast-castle-92635.herokuapp.com> (Express/Mongo backend with Passport.js for Authentication, Bootstrap on the front-end)
- <https://code-blogz.herokuapp.com>
- More on Github: <https://github.com/Schow94>

React.js Projects

- <https://warm-thicket-82476.herokuapp.com> (MERN stack, Redux, Google O-Auth, ReactRouter, StripeAPI)
- Wifree - returns list of closest places with free wifi (Utilizes YelpAPI, GoogleMapsAPI, geolocation, and React Hooks)
- Calculator(Built in React with Vanilla Js for the math logic) - <https://schow94.github.io/calculator-react/>
- Nordstrom Clone - <https://schow94.github.io/Redux-ShoppingCart/>
- Manage classroom - <https://schow94.github.io/Magnitude-ReactAssignment/>
- React Native Todo list (Experimenting with ReactNative)
- Weather app(Utilized with OpenWeatherAPI and styled with MaterialUI)

Awards & Activities

National Society of Collegiate Scholars – national honor society recognizing high-achieving individuals, by special invitation only

Cowell Senate – Cowell College's student body that decides where funds go and activities to have for our college

References

Available Upon Request