

# Andy Chou

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## SUMMARY

Full stack developer with 1 year of personal experience in creating intuitive and dynamic web applications.

## SKILLS

### Programming Languages

C#, Python, JavaScript, HTML, CSS

### Frameworks, Libraries, Technologies

Redux, React, React Native, Bootstrap, Node.js, Express, MongoDB, MySQL, AWS

### Interpersonal Skills

Team and personnel management, client collaboration, inter-departmental communication

## PROJECTS

Personal Portfolio - a responsive web page built using Bootstrap.

- <https://andychchou.github.io>

Table Top Town - a table-top-themed website built using React, showcasing frontend and backend deployment.

- Home page: <https://tabletoptown.herokuapp.com/>
- Chess app created using JavaScript and React: <https://tabletoptown.herokuapp.com/games/chess/play>

## WORK EXPERIENCE

### Novartis, San Diego, CA

*Process Science Engineer*

- Conducted process development and engineering for various bioreactor designs.

Current

Nov 2020 – Present

### Abzena, San Diego, CA

*Senior Process Development Associate*

- Managed a team of process development associates and scheduled responsibilities for staff.
- Collaborated with clients on projects, including design of experiments and project proposals.
- Trained staff on the operation of the ambr250, a high throughput, automated 24-vessel bioreactor system.

4 years and 8 months

Mar 2020 – Nov 2020

*Lead Process Development Associate*

- Communicated with clients on a regular basis, including presentation of data and project timelines.
- Facilitated inter-department communication to implement improvements to laboratory operations.

May 2019 – Mar 2020

*Process Development Associate*

- Utilized Design of Experiments (DoE) and multivariate data analysis for process optimization.

Jul 2017 – May 2019

*Production Associate*

- Operated stirred tank and wave bioreactors in upstream cell culture manufacturing.

Apr 2016 – Jul 2017

## EDUCATION

### Nucamp Coding Bootcamp

Full Stack Web and Mobile App Development

- Relevant courses: HTML/CSS/JS, Bootstrap, React, React Native, Node/Express+MongoDB

May 2021 – Nov 2021

### University of California, San Diego

Bachelor of Science in Biochemistry, Department of Chemistry

- Relevant courses: Multivariable Calculus, Differential Equations, Statistics, Quantum Mechanics

2011 – 2015