

# Andy Chou

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## SUMMARY

Full stack developer with 1 year of personal experience in creating intuitive and dynamic web applications.  
Eager to learn and skilled in problem solving, team collaboration, and project organization.

## SKILLS

**Programming Languages:** JavaScript, HTML, CSS, C#, Java, Python

**Frameworks and Libraries:** Redux, React, React Native, Bootstrap, jQuery, Node.js, Express

**Database Tools:** MongoDB, PostgreSQL, MySQL,

**OS and IDE:** Windows, Linux, Visual Studio, Eclipse

**Other Technologies:** Git/GitHub, AWS, Heroku, REST API integration, Postman, virtual machines

**Interpersonal Skills:** Team and personnel management, client collaboration, inter-departmental communication

## PROJECTS

Personal Portfolio - a responsive web page built utilizing Bootstrap and JavaScript.

- [andychchou.github.io](https://andychchou.github.io)

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

- [tabletoptown.herokuapp.com](https://tabletoptown.herokuapp.com)

## WORK EXPERIENCE

### Innovative Defense Technologies, San Diego, CA

*Associate Software Engineer*

Apr 2022 – Present

- Developed, integrated, and tested software applications in development and production environments.
- Improved automation of network communication between systems on both virtual and physical networks.
- Security clearance: Secret

### Novartis, San Diego, CA

*Process Science Engineer*

Nov 2020 – Apr 2022

- Conducted process development and engineering for various bioreactor designs.
- Facilitated inter-department communication to implement improvements to laboratory operations.

### Abzena, San Diego, CA

*Senior Process Development Associate*

May 2019 – Nov 2020

- Managed a team of process development associates and scheduled responsibilities for staff.
- Collaborated with clients on projects, including design of experiments and project proposals.
- Implemented computer automation of cell culture operations as well as data processing.

*Process Development Associate*

Jul 2017 – May 2019

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

*Production Associate*

Apr 2016 – Jul 2017

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

## EDUCATION

### Nucamp Coding Bootcamp

Full Stack Web and Mobile App Development

May 2021 – Nov 2021

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

### University of California, San Diego

Bachelor of Science in Biochemistry, Department of Chemistry

2011 – 2015

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