Andy Chou

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SUMMARY

Full stack developer with 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, VS Code, Visual Studio, Eclipse
Other Technologies: Git/GitHub, AWS EC2, 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

Table Top Town - a table-top-themed website built using React, showcasing frontend and backend deployment.
- 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.
- Generated documentation during the development process to help guide other team members.

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