Anthony Zheng

Petaluma, California, United States

ajz003@ucla.edu   8183891298

linkedin.com/in/anthony-zheng

Experience

Software Engineer
RollWorks, a division of NextRoll

Jul 2021 - Jul 2023 (2 years 1 month)

• Brought the new automated RollWorks Workflows feature from proof-of-concept to beta release using TypeScript and Golang.
• Refactored and managed numerous frontend components across the many repositories of the RollWorks website.
• Utilized AWS EMR, Apache Spark/PySpark, Airflow, Terraform, PostgreSQL, and Python to create a job to process large amounts of data.

Web Developer
Nuvolum

Mar 2019 - Jul 2021 (2 years 5 months)

• Planned and implemented 15+ websites with an efficient React/Gatsby framework for top oral and maxillofacial surgery practices across the United States.
• Integrated AWS Amplify and Netlify CMS with the React websites, saving developers time by allowing the users to edit the site content instead; this accelerated the production of new websites and the transition of existing websites to new React websites.
• Created Nuvolum's website: https://nuvolum.com/
• Developed more than 40 other oral and maxillofacial surgery websites using LAMP stack with jQuery and PHP.
• Utilized Node to implement a templating solution to create HTML files from JSON files.
• Created new and managed existing WordPress sites, utilizing varying themes and editing 3rd party plugins.

Technician
InsEYEt, LLC

Apr 2017 - Jul 2018 (1 year 4 months)

• Constructed model eyes for ophthalmic training, including models for tools and surgical procedures such as YAG, SLT, LPI LRI, A-Vit, ISIF and more.

Research Assistant
Dunn Lab

Jun 2015 - Sep 2015 (4 months)

• Assisted members of the lab with lab work ranging from synthesizing chemicals to cleaning various pieces of lab equipment.
• Constructed lithium-based electrochemical capacitors to test the viability of different anodes and cathodes.

• Performed impedance testing on personally constructed batteries as well as commercial batteries to compare efficiencies.

Science Educator Intern
Experium Science Academy
Jun 2014 - Jun 2015 (1 year 1 month)
-Collaborated with physics, biology, and chemistry instructors to organize lesson plans.
-Explained fundamental scientific principles like the states of matter and Bernoulli's Principle, and introduced modern laboratory equipment such as centrifuges and gel electrophoresis to K-8 students.

Intern
Chemat Technology Inc.
Jun 2010 - Aug 2010 (3 months)
-Experimented with various formulations of chemical anti-reflective lens coatings
-Performed analysis of results
-Authored a brief report based on the experimental results

Education

UCLA
Bachelor of Science - BS, Chemistry/Materials Science

Licenses & Certifications

Former Emergency Medical Technician - National Registry of Emergency Medical Technicians

Japanese-Language Proficiency Test (JLPT) N4 (日本語能力試験 N4) - The Japan Foundation

Skills

Python (Programming Language) • JavaScript • C++ • Chemistry • Materials Science