Randall Le

San Diego, CA · randallnguyenle@gmail.com · (314) 498-8935 · github.com/randallle

PROFESSIONAL EXPERIENCE

Software Engineer in Test　　　　　　　　　**ServiceNow**　　　　　　　　　**October 2022 – Present**
- Developed and implemented automated testing solutions for 50+ test cases using Jest, reducing time spent on story testing and minimizing errors during the deployment of new features
- Conducted thorough testing and verification of JavaScript code for ServiceNow's in-house web framework, ensuring code quality and reliability prior to production shipment
- Identified and documented software defects, clearly communicating issues to the development team and actively participating in the resolution process, leading to improved product reliability and user experience

Software Development Intern　　　　**Tempus Technologies (PNC Bank)**　　　　**June 2022 – August 2022**
- Engineered a workflow testing enhancement solution to programmatically convert Postman collections with 100+ requests to OpenAPI specifications by leveraging a Git hook in Node.js
- Programmed a microservice tool to move journal events describing financial transactions into Elasticsearch database
- Debugged various functions for server-side codebase by writing unit/performance tests and deploying for use

Teaching Assistant　　　　**USC Viterbi School of Engineering**　　　　**August 2019 – May 2022**
- Supervised Python lab sections by providing guidance, debugging assistance, and project reviews for a course of 70 students
- Led engaging discussions on foundations of objected-oriented programming, data structures, and algorithms

Intern　　　　　　　　　　　**Capital Insurance Group**　　　　　　　**June 2021 – August 2021**
- Developed Python script using Pandas and NumPy to retrieve policy data from SQL to price thousands of policies, which reduced the total runtime of a farmowners insurance pricing tool by 40%
- Refactored and improved Python scripts for homeowners insurance application to incorporate coverage rating features and fine-tuning mechanisms

EDUCATION

B.S. Mathematics/Economics　　　　**University of Southern California**　　　　**May 2022**
- **Minors**: Computer Programming Minor, Applied Analytics Specialization. **GPA**: 3.94/4.00
- **Courses**: Object-Oriented Programming, Data Analytics, Data Structures & Algorithms, Full-Stack Web Development, iOS App Development, Applications of Machine Learning

M.S. Computer Science　　　　**Georgia Institute of Technology**　　　　**August 2023 – May 2025**
- **Specialization**: Machine Learning

SKILLS

Python | C++ | Java | Swift | JavaScript | Jest | Node.js | PHP | SQL | NoSQL | HTML | CSS | React.js | Node.js | RESTful APIs | Git
Postman | Tableau | Jupyter Notebook | Atlassian Jira | Agile Development | Sprint Planning | Wireframes | Information Architecture
Model-View-Controller (MVC) | Object-Oriented Programming (OOP) | WordPress

PROJECTS

Reddit Mission Control – *HTML, CSS, JavaScript, PHP, SQL, Bootstrap, Postman*
- A tool with CRUD (create, read, update, & delete) functionalities to manage, categorize, and view details about user's saved posts using the Reddit API to populate a SQL database upon Basic Auth authentication
- Developed wireframes and basic mockups to be responsive on desktop, tablets, and mobile devices
- Save or unsave a post, search by title, filter by subreddit, add or update a tag, optimized for mobile users

Spotify-Genius Lyric Search Tool – *Python*
- A search engine for users to search through the lyrics of the songs in their library using the Spotify and Genius API
- Developing a feature to give users the ability to tag songs with one or more key terms

Weather.info – *Swift, UIKit*
- An iOS app made with Swift and UIKit that displays the weather and image according to the user's current location
- Features local data persistence and internationalization to support both English and Spanish
- Retrieves weather information via OpenWeather API and integrates images from Unsplash API