

Randall Le

Los Angeles, CA • randallnguyenle@gmail.com • (314) 498-8935 • github.com/randallle

EDUCATION

| | | |
|---|--|-----------------|
| B.S. Mathematics/Economics | University of Southern California | May 2022 |
| <ul style="list-style-type: none">• 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 | | |

SKILLS

Python | C++ | Java | Swift | JavaScript | 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

PROFESSIONAL EXPERIENCE

| | | |
|---|---------------------------------------|----------------------------|
| Software Development Intern | Tempus Technologies (PNC Bank) | June 2022 – Present |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• Supervised Python lab sections, debug, and review student projects for a course of 70 students• Led discussions on foundations of object-oriented programming, data structures, and algorithms | | |

| | | |
|---|--------------------------------|--------------------------------|
| Intern | Capital Insurance Group | June 2021 – August 2021 |
| <ul style="list-style-type: none">• 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• Built Tableau dashboard from SQL and Excel data to present a competitive analysis on homeowners rating factors | | |

| | | |
|---|-----------------|---------------------------------|
| Intern | Milliman | January 2021 – June 2021 |
| <ul style="list-style-type: none">• Updated the exception tier handling logic and wrote unit tests for Python codebase to maintain compliance with current healthcare regulations, saving consumers up to 90% of prescription costs• Developed a dynamic pricing model using Python and Excel to conduct a cost-savings analysis, which resulted in a 23% savings in total expenditure• Supported an agile team of six developers and two-week sprints using Git and Jira | | |

PROJECTS

| |
|--|
| Reddit Mission Control – <i>HTML, CSS, JavaScript, PHP, SQL, Bootstrap, Postman</i> |
| <ul style="list-style-type: none">• 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 |

| |
|--|
| Weather.info – <i>Swift, UIKit</i> |
| <ul style="list-style-type: none">• 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 |

| |
|--|
| Spotify-Genius Lyric Search Tool – <i>Python</i> |
| <ul style="list-style-type: none">• 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 |