Vitali Shypko

Location: Berkeley, CA   *Email:* vshypko@gmail.com
Phone: (415) 370-0287   *LinkedIn:* linkedin.com/in/vshypko/

Computer Science student with 3 years of startup experience looking for a software development role

Education

University of California, Berkeley   *Jun 2017 – May 2019*
Bachelor of Arts, Computer Science

- Data Structures
- Great Ideas of Computer Architecture
- Structure and Interpretation of Computer Programs
- Concepts in Computing with Data
- Principles and Techniques of Data Science
- Discrete Mathematics and Probability Theory
- Blockchain Fundamentals
- Blockchain for Developers

City College of San Francisco   *Aug 2014 – May 2017*
Computer Science

- Data Structures and Algorithms: Java
- Interactive Web Pages – JavaScript
- Unix/Linux Shell Scripting
- Advanced HTML and CSS
- Discrete Mathematics
- Linear Algebra and Differential Equations

Professional Experience

STRATIM   *Jan 2017 – Jul 2017*
Quality Assurance Engineer (full-time)   *San Francisco, CA*

- Developed automated test cases in Python using Selenium that led to increase of code base test coverage by 16%
- Improved the company's test automation framework by adding valuable functions and decreasing the likelihood of false-positive results
- Optimized automated smoke-test suite to perform fast and reliable testing on each code change that resulted in 10% decrease in its run time allowing for faster feature releases

ZIRX / STRATIM   *Apr 2016 – Dec 2016*
Quality Assurance Associate (full-time)   *San Francisco, CA*

- Performed functional, integration, and regression testing for the web and mobile platform projects to ensure proper software development cycle
- Analyzed feedback from Product and Operations teams as well as end customers to understand main use cases and develop comprehensive test suite according to their needs
- Added relevant seed data using SQL to ensure that test machines run on the configuration analogous to production

Projects

Gitlet Version-Control System (Java)

- Designed backend in Java for a git-like version-control system that supports 18 most-used both local and remote git commands

Qirkat Board Game (Java)

- Developed a two-player strategy board checkers-like game with implementation of the minimax algorithm for AI to allow a single-player mode

Database Management System (Java)

- Implemented a relational database management system that allows storing and extracting of data and supports most commonly-used SQL commands

Scheme Interpreter (Python)

- Designed an interpreter for a subset of the Scheme language in Python

Skills

- *Languages/Frameworks:* Java, Python, SQL, Pandas, R, HTML, CSS, Selenium, JUnit, Solidity, Bash
- *Tools:* Git, IntelliJ IDEA, JIRA, iTerm, Sublime Text, Vim, Xcode