**Vitali Shypko**

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

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| **Education** | |
| **University of California, Berkeley**  **Bachelor of Arts, Computer Science** | *Jun 2017 – May 2019*  *GPA: 3.9* |
| * Data Structures * Structure and Interpretation of Computer Programs * Principles and Techniques of Data Science * Concepts in Computing with Data | * Discrete Mathematics and Probability Theory * Blockchain Fundamentals * Blockchain for Developers |
| **City College of San Francisco**  **Computer Science** | *Aug 2014 – May 2017*  *GPA: 4.0* |
| * 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**  **Quality Assurance Engineer** (full-time) | *Jan 2017 – Jul 2017*  *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

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| **ZIRX / STRATIM**  **Quality Assurance Associate** (full-time) | *Apr 2016 – Dec 2016*  *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

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| **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

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| **Skills** |

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