

# Vitali Shypko

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## Education

**University of California, Berkeley**  
**Computer Science, B.A.**

*Jun 2017 – May 2019*  
*GPA: 3.9*

Coursework:

- 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*

Coursework:

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

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## Professional Experience

**STRATIM**

*Jan 2017 – Jul 2017*  
*San Francisco, CA*

**Quality Assurance Engineer (full time)**

- Developed automated test cases in Python using Selenium WebDriver 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 releases

**ZIRX/STRATIM**

*Apr 2016 – Dec 2016*  
*San Francisco, CA*

**Quality Assurance Associate (full time)**

- 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
- Added relevant seed data using SQL to ensure that test machines run on the configuration analogous to production

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## Projects

**Gitlet** (Java) – implementation of a lite git-like version control system

**Qirkat** (Java) – a two player strategy board game (the parent of checkers) with implementation of AI

**Database System** (Java) – miniature relational database management system that allows storing and extracting of data

**Scheme Interpreter** (Python) – interpreter for a subset of the Scheme language in Python

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## Skills

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