Isaac Seessel

Software engineer, passionate about big data, data pipelines, and the mathematics and algorithms that extract insight from these data.

isaacseessel.com
(917) 455-0598
iseessel@oberlin.edu

EXPERIENCE

Maestrano, New York — *Software Engineer*

December 2017 - November 2019

- Led team for designing and implementing a data-insights engine, with features like cash projection and invoice management. Product was offered to more than 250,000 users of a Fortune 50 bank.
- Improved data-integrity issues in our ETL pipeline from a 3% error rate to a less than 0.1% error rate.
- Implemented fault-tolerant and secure OAuth for our contract with a major bank. Implementation was validated and approved by financial regulators.
- Led team to implement an unenrollment data purge across our distributed system to ensure users' data integrity. Major bank's security team thoroughly vetted and approved the implementation.
- Participated in integration of user bank data through the Open Financial Exchange (OFX). Several open-source contributions to the OFX Ruby Gem were made by the team.
- Implemented internationalization for Spanish support using NGINX to serve different frontends based on URI.
- Created admin panel role and views for support staff while ensuring proper data access and security.

EDUCATION

Hunter College, New York, NY — *Mathematics*

Spring 2018 - Present

Major GPA: 4.0; Dean's List; Second Major: Mathematics.

Relevant Coursework: Calculus I - III, Discrete Mathematics, Real Analysis, Vector Analysis, Linear Algebra, Probability Theory, Mathematical Statistics, Stochastic Processes.

App Academy, New York, NY — *Software Engineer Bootcamp*

Fall 2017

Immersive 1,000-hour software development bootcamp with 3% acceptance rate. Topics included: TDD, scalability, algorithms, OOP, coding style, REST, security, single-page apps, and web-development best practices.

Oberlin College, Oberlin, OH — *Bachelor of Arts*

Spring 2017

GPA: 3.85; John F. Oberlin Scholarship; Gender studies.

SKILLS

Ruby on Rails, SQL, microservices, MongoDB, ETL data pipelines, DevOps, data integration, TypeScript, Node.js/Express, Angular 6, RxJS, AngularJS, npm, React.js/Redux, mathematics, probability, statistics.

PROJECTS

Poll Paradise: Ruby on Rails/React clone of Poll Everywhere. Uses websockets for live updating polls.

Ruby MVC: Lightweight MVC built in Ruby, inspired by Ruby on Rails.

Tetris: Object-oriented browser game using HTML5 and Javascript.

Chess: Object-oriented terminal chess game using Ruby.

Other

Queer in AI: Attend frequent meetings and meetups on AI and gender and sexuality.

New Orleans AIDS task force: Volunteered and interned at health organization. Improved client outcomes through technology.