

# SCOTT HURWITZ | SOFTWARE DEVELOPER

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I recently completed a software engineering internship at Prudential, where I applied my CS skills to real-world problems. With a double-degree, I offer technical expertise and a diverse approach to problem-solving.

Selected Technologies: **Cloud Computing:** AWS ▪ **Software Engineering:** Data Structures and Algorithms, Infrastructure as Code ▪ **Test-Driven-Development:** Agile, Unit Tests, Advanced Cloudwatch Usage, Performance Tests ▪ **Data Science/Machine Learning:** Extract Transform Load, Model Training, K-Means, Decision Trees, Data Viz.

## EXPERIENCE AND PROJECTS

### SOFTWARE ENGINEERING INTERN, PRUDENTIAL FINANCIAL | Newark June. 2023 – Aug. 2023

- Collaborated with our AWS cloud architect to double the speed of our orchestration microservice using scripted performance testing and in-depth research.
- Resolved code issues highlighted by SonarQube analysis, collaborated on rigorous testing with teammates, and deployed enhancements to production.
- Recognized for outstanding internship contributions by our journey.
- **Final Project:** I created an AWS CloudWatch Query Lambda function to query log times within an AWS native application and trigger SNS notifications when performance degradation is detected.

### BLOCKCHAIN & INVESTMENT STRATEGIES FOUNDER AND DEVELOPER Nov. 2021 – May 2022

- Managed and oversaw 2500 micro-investment accounts in a pseudo-staking system that generated 500% ROI.
- Built a database and first-of-its-kind scripts on Blockchain- integrated frameworks to automate allocations.
- Implemented solutions ensuring continuous transaction verification, navigating low-liquidity markets, and dynamically adjusting to changing network conditions.
- Created an investment rating system to optimize fund performance.

### BUSINESS ANALYST INTERN, CADENCE ([www.keepyourcadence.com](http://www.keepyourcadence.com)) | Remote Aug. 2021 – Jan. 2022

- Collaborated with the Operations Director to visualize data and pinpoint manufacturing defects, enhancing production quality.
- Assisted the Principal Engineer in analyzing resistivity data for 1,000 materials, facilitating data-driven decisions.

### INTAKE COUNSELOR INTERN, THE DOOR: A CENTER FOR ALTERNATIVES | NYC Mar. 2017 – Sept 2017

Social work internship that ignited my interest in using data-driven methods as a means to effect positive change in the world.

## EDUCATION AND PROFESSIONAL DEVELOPMENT

### BS COMPUTER SCIENCE, WGU | Online Jun. 2022 – Current

Coursework: Data Structures and Algorithms, Database Design and Management, Probability and Statistics

- Used OOP for full-stack schedule and inventory apps in Java.
- Built a state capitals game with data structures and algorithms in C++.
- Developed a library system using relational databases in SQL.

### DATA SCIENCE DIPLOMA, CONCORDIA UNIVERSITY | Online Jan. 2021 – May 2021

Worked on projects using Python and SQL for stock price modeling, business metric visualization, and improving user experience with machine learning.

### MATH/PHYSICS COURSES, CITY UNIVERSITY OF NEW YORK | NYC May. 2018 – Aug. 2020

BS Physics coursework before transitioning to a focus in CS.

Coursework: Calculus 1-3, Linear Algebra, Physics Mechanics/Electricity and Magnetism, and Chemistry

### BACHELOR OF MUSIC, Music Research, MCGILL UNIVERSITY | Montréal Sept. 2014 – Jan. 2017

## CERTIFICATIONS

AMAZON WEB SERVICES CLOUD PRACTITIONER, AWS May 2023

COMPTIA PROJECT+, COMPTIA Feb. 2023

PROFESSIONAL SCRUM MASTER I, SCRUM.ORG Nov. 2022