

SAMUEL RUBIDGE

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EDUCATION

UNIVERSITY OF WISCONSIN MADISON (BACHELOR'S)

Graduation: 2024

Economics Major (Double Minor in Computer Science & Data Science)

GPA: 3.5

ELGIN COMMUNITY COLLEGE (ASSOCIATE'S)

Graduation: 2021

Associate's in Arts, Graduated with High Honors

WORK EXPERIENCE

Legacy Financial Services Inc.

Chicago, IL

Risk Analyst

September 2020 - September 2021

- Provided investment advisors with insight on client portfolio risk levels
- Utilized Riskalyze to model client portfolios across different market scenarios, enabling accurate risk evaluation and customized investment approaches for our clients
- Collaborated closely with investment advisors to ensure an alignment of actual risk with clients' perceived risk tolerance for optimized investment outcomes
- Fostered and maintained client relationships through organized events

Investment Advisor Intern

Spring 2018 - September 2020

- Completed various back-office projects for analyzing financial plans, tracking revenues, and tracking expenses
- Handled a range of CRM processes passed on from senior staff

ACTIVITIES & PROJECTS

Real Estate Acquisition Advisor Project Version 2

January 2022 - Present

- Solely developed Python tool for rental investment property acquisitions
- Facilitated over \$500,000 in high-earning property acquisitions, with a projected \$1,000,000 by the end of 2024
- Tool provides financial models and Machine Learning insights on data provided through web scraping
- Aggregated and formatted real-time property data, enabling precise profitability predictions for investment decisions
- Designed features like daily top earner graphs based on cash flow projections, geospatial mapping of rent comparables, equity projections given different market and hold scenarios, and other various customizable inputs
- Secured 1/3rd equity stake in current and future acquisitions as compensation for tool usage
- Additionally, created a quantitative research analysis on the relationship between home and rental price indices [here](#)

Meteorite Tracking Java Project

April 2022-November 2022

- Developed a Java program that builds meteorite objects from a dataset and stores them in an iterable red-black tree
- Designed frontend user interface to execute various tree access functions such as list meteorites within a mass range

Real Estate Acquisition Advisor Project Version 1

June 2021-January 2022

- Created property cash flow scenarios in Excel to evaluate the long-term profitability
- Used property comps to establish baseline expenses and rental income expectations
- Researched and logged various investment opportunities and rental markets (zip code level appreciation, rental costs)

University of Chicago Financial Mathematics Master's Prep Course

January 2024-May 2024

- Course designed to prepare applicants for University of Chicago Financial Mathematics Master's program
- Builds an understanding of advanced calculus techniques and probability theory through central limit theorem, moment-generating functions, Taylor's Theorem, and convexity
- Teaches linear algebra concepts, such as eigenvalues, eigenvectors, and covariance matrices

University of California Santa Barbara SB Hacks Hackathon Competition

September 2020

- Worked in a team to program a webpage to predict the probability of love between two photos of people
- Leveraged Python artificial intelligence API to assess picture attributes such as attractiveness, mood, age, and gender

DePaul DemonHacks Hackathon Competition

September 2019

- Developed a Python pricing assistance program for startups based on survey data
- Program utilized microeconomic modeling to an approximate ideal product pricing structure

Sam's Hi-Fi Exchange

September 2017 - Present

- Leveraged a deep understanding of a niche market through buying, selling, and trading audio equipment to turn \$1,000 of capital to a net of \$80,000
- Developed a deep client network for sales and consulting

SKILLS & COURSEWORK

Languages & Tools: Advanced Java & Python, Intermediate Excel, Occasional R & HTML, Git, BASH, G.C.P., JUnit

Skills: Java & Python Programming | O.O.P. | Data Structures | Machine Learning | Data Cleaning | Leadership

Coursework: Java Data Structures, Algorithms, & O.O.P. I, II, and III | Python Big Data & ML | Intermediate Python

Data Science | Python Data Analytics | Intermediate R Data Science Modeling | Statistics | Micro/Macro Economics