

Nicholas Salem

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EDUCATION

University of Rochester

Bachelor of Arts in Computer Science & Economics

- GPA: 3.35 out of 4.00; Merit based Ahora Scholarship

Rochester, New York

Anticipated Graduation May 2021

WORK EXPERIENCE

Mirabaud Asset Management

Summer Economy and technology Analyst

São Paulo, Brazil

May 2019 – August 2019

- Pioneered a project to automate the search display and analysis of information for potential investments utilizing VBA and Excel, leading to instant deeper understanding of potential opportunities.
- Mined data by web-scraping through several potential websites and by sending HTTP requests to multiple APIs.
- Optimized portfolios composed of corporate and sovereign bonds as well as swaps by leveraging all newly acquired information instantly.

CSU CardSystem

Market Intelligence & Innovations Intern

São Paulo, Brazil

May 2018 – August 2018

- Researched and analyzed movements of competitors and potential clients through SWOT analysis
- Produced daily and weekly reports to inform Market Intelligence department about potential threats & opportunities.
- With knowledge acquired, conceptualized new feature on the payment app being developed that allowed payments via QR code in order to seize unexplored client segment.

PUC Jr. Consultoria

Consultant

São Paulo, Brazil

January 2017 – July 2017

- Solved client's operational issues working in a team and utilizing marketing, accounting and economic tools in this student managed and professor overseen junior consulting company.
- Established fundraising methodology for future consultants to follow when working with nonprofits.

SELECTED PROJECTS

Where to Eat Website (Spring '19)

Rochester, New York

- Designed and developed, in a team of four, a website where users can search and add restaurants to shareable lists with their friends using .NET framework as well as JavaScript and C#. Intended to ease the process of deciding where to eat, allowed the users to comment, rank, and vote for their favorites. Gathered restaurant data via Yelp's API and used SignalR to make the addition to lists and comments instant.

Shortest Path Finder (Fall '18)

Rochester, New York

- Read external file with data about streets and geographic locations. Converted this information into a graph and made use of Dijkstra's algorithm to calculate the shortest route between two locations. Used Java graphics to produce a map of the area and display directions visually.

Huffman Encoding (Fall '18)

Rochester, New York

- Implemented lossless compression/decompression algorithm, by producing Huffman tree and character frequency file.

LEADERSHIP ACTIVITIES

University of Rochester

Teaching Assistant – Web Development, Pricing strategy, & Financial Management

Rochester, New York

June 2019 – present

- Responsible for grading and holding office hours to mentor students and help them excel in the courses.

Alpha Delta Phi, Alumni Chair

June 2018 – present

- Responsible for interactions between current members and alumni.
- Creating a platform via LinkedIn to approximate current member to alumni in a professional sense.

TETO Nonprofit Organization

Volunteer

São Paulo, Brazil

January 2016 – present

- Volunteer for this multinational nonprofit that envisions a better life quality for the less fortunate in South America by educating and constructing housing for the residents of Brazilian favelas (slums).

SKILLS

- Java, Python, Lisp, C#, C++, C, Swift
- HTML/CSS/Bootstrap/JavaScript/AJAX, SQLite, XML/JSON
- Bloomberg, Stata, R, Excel/VBA Word & PowerPoint
- Trilingual in Portuguese, English, and Spanish