
ALLY RILLING

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Education

University of Wisconsin - Madison

Graduation December 2023

- Majors: Computer Science (B.S.) and Finance, Investment, and Banking (B.S.)
- Relevant Business Coursework: Derivative Securities, Asset Pricing and Leverage, Corporate Finance, Investment Theory, Financial Markets and Economic Activity
- Relevant Computer Science Coursework: Building User Interfaces, Introduction to Algorithms, Theory of Programming Language Design, Computer Graphics

Experience

Charles Schwab | Westlake, Texas

June 2022 - August 2022

Software Engineering Intern

- Architected and implemented (in .NET and C#) the backend for a new options expiration assignment risk monitoring feature that created alerts for customer accounts with risky options spreads.
- Utilized knowledge of options to gather requirements from business users for the new options assignment risk alerts.
- Developed a workflow in PEGA that parsed the backend assignment alert output and displayed data to end users.

Professor Sebastien Plante | Madison, Wisconsin

January 2022 - Present

Teaching Assistant

- Assisted in the restructuring of course content to utilize Python for teaching investment theory.
- Wrote practice problems about the time value of money and programming concepts including variables, conditionals, loops, data structures, and running regressions in Python.
- Created multiple 1-3 minute video animations to demonstrate basic programming concepts like variables and lists.

Personal Projects

October 2020 - Present

- Used ReactJS to build Options Visualizer, a website that visualizes options spreads and allows users to input custom spreads.
- Created Penguin Workouts, a pleasantly designed and user configurable workout app on iOS built with Swift and SwiftUI.
- Built Lightyear - Solar Clock, an iOS app that monitors sunrise and sunset times based on location and data from a third-party API.

Wells Fargo | Remote

June 2021 - August 2021

Software Engineering Intern

- Utilized Selenium to write over 20 UI automation test cases for two different webpages.
- Mapped elements of webpages to variables in code using Xpaths so that their attributes could be validated.
- Created a workflow for scanning and validating the contents of auto-generated PDFs.
- Collaborated with six interns in other lines of business to create a presentation about intern networking opportunities.
- Worked in an Agile environment and participated in Scrum ceremonies on two different teams.

Apple | Madison, Wisconsin

September 2021 - December 2021

Technical Specialist

- Assisted customers in troubleshooting a wide variety of hardware and software issues with their iPhones, iPads, Apple Watches, and AirPods.
- Educated customers during appointments on best practices and helpful tips to improve the experience of using their Apple devices.

Skills and Certifications

Programming Languages

- Java
- Python
- JavaScript / HTML / CSS
- C# / .NET
- Swift / SwiftUI
- C / C++

Software Proficiencies

- Figma
- Git (GitHub and Bitbucket)
- Jira
- IDEs: Visual Studio, JetBrains IDEs, Xcode, Eclipse, VS Code
- Excel / Powerpoint

Certifications

- Bloomberg Market Concepts
- Wisconsin School of Business: Excel Proficiency

Extra-Curricular Activities

UW - Madison Track Club | September 2019 - Present
