Gregory Murray

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EDUCATION

University of Illinois at Urbana-Champaign   **May 2018**
Bachelor of Science in Computer Science   **GPA: 3.72/4.00**
Minor: Mathematics

University of Pisa (Summer 2016 Term I)   **Pisa, Italy**
- Adapted to an unfamiliar environment and embraced cultural differences during my time studying engineering in Italy.

WORK EXPERIENCE

Pivotal Labs   **Chicago, IL**
Software Engineer Intern   **July-August 2016**
- Created a web application for Allstate's multi-line quoting business using react, redux, and node in JavaScript.
- Pair programmed with Pivotal employees and clients using test-driven development to deliver clean and reusable code.
- Evaluated and ranked complexity for code stories while working under an agile scrum development cycle.

Citadel LLC   **Chicago, IL**
Citadel Technology Intern   **June-August 2016**
- Built a custom stress-testing script for Citadel Technology's trading application to meet clients' requests and needs.
- Collaborated with the support and implementation team to automate software checks for Citadel's lab environments.
- Kept track of various metrics for simulated trade orders and delivered them to the development and sales team.

PROJECT EXPERIENCE

Fantasy Football Script   **Present**
- Coded a multi-threaded python web scraper to get the projected fantasy points for each player among multiple websites.
- Implemented a genetic algorithm to generate an optimal fantasy football lineup for each week**.**
- Customized the script to allow for optional arguments to tweak the projected points based on the user's discretion.

Portfolio Manager Application   **February-May 2016**
- Effectively worked with a group of 3 students to design and create a portfolio manager for our database class (CS 411).
- Used Java Spring framework to handle backend interactions, while using HTML and JavaScript for the front end.
- Developed a function to rank stocks based on basic financial metrics, and suggested similar stocks based on these rankings.

TECHNICAL SKILLS

Languages: C, C++, HTML/CSS, Java, JavaScript, Python
Classes: Data Structures (CS 225), Systems Programming (CS 241), Numerical Methods (CS 357), Algorithms and Models (CS 374), Database Systems (CS 411)
Applications: GitHub, Subversion, Unix, Linux, IntelliJ, Eclipse, Sublime, MS Office

PROFESSIONAL DEVELOPMENT

Phi Chi Theta Professional Business Fraternity   **September 2014-Present**
Fundraising Committee Member
- Enhanced leadership and professional skills through networking events with sponsors and case studies.
- Improved professional development through market analysis projects and numerous mock interviews.
- Broadened my horizons by showing interest in the business side of my education.

Internal Research and Investment Services (IRIS)   **September 2014-Present**
Internal Portfolio Manager and Senior Technology Analyst
- Co-founding member of an internal investment club, which looks to teach members about the financial markets.
- Manage a team of 4 analysts that look to collaborate and pick promising stocks in the technology industry.
- Created a club account with TD Ameritrade, and am the overseer on every transaction.

Tau Beta Pi Engineering Honor Society   **September 2015-Present**
Member
- Invited to be a member of an honor society that accepts the top 1/8 of the junior class in the College of Engineering.
- Mentored underclassmen by having them shadow me to see if they are interested in pursuing a degree in Computer Science.