

EDUCATION

Washington & Lee University
B.S.C. in Business Administration, B.A. in Computer Science

Lexington, Virginia
May 2013

General Assembly
Back-End Web Development

New York, NY
Fall 2014

EXPERIENCE

Research Analyst

New York, New York

Investment Technology Group

July 2013 - Present

- Perform relational database analysis on existing data, identify patterns and trends in trading strategies, as well as assist in identifying root causes for data inaccuracies, through the use of database query tools.
- Code various solutions using Python to manipulate files, upload / download from an FTP, and to optimize the analysis of extremely large datasets.
- Deliver equity and foreign exchange transaction cost analyses to institutional asset managers via established reporting, as well as ad hoc research into the effectiveness of the investment management process and practices of asset managers, such as mutual funds and hedge funds.
- Liaise between software development and global client services teams while increasing awareness of the production environment and helping shape product development.
- Work effectively as part of a global team and build relationships with electronic sales/support, product managers, support and development teams globally to maximize synergies and minimize duplicate implementation efforts.
- Assist in the creation and maintenance of test documentation such as test plans, test reports, bug reports and project statuses.

Business Intelligence Analyst

New York, New York

Neuberger Berman LLC

June – August 2012

- Conducted enterprise wide business intelligence toolset analysis and drafted findings for presentation to executive management. Analysis consisted of data integration, ad-hoc reporting and dashboard functionality, among other services.
- Assisted global BI program manager with conducting enterprise data architecture and deployment strategies.

PROJECTS

- *Morning Checks* – Used Python to automate the system that ensures that various clients' data has been processed. This involves checking that clients have sent ITG their daily trade files through an FTP, determining if the files were processed properly, and identifying a source of error if any.
- *CrowdWave* – a web app / social networking service focused on professional and collegiate sports leagues and teams.
- *Corsola* – Worked in team of four to code an online Course Scheduling Assistant from scratch in four weeks
 - <http://news.blogs.wlu.edu/2013/09/12/new-corsola-web-application-helps-wl-students-plan-course-schedules/>
- *Apple TV* – Proposed strategy for Apple to enhance their Smart TV offering
- *www.phillslife.com* – a personal web site / app that allows users to upload images and songs to create a collection of interesting works

RELEVANT SKILLS

- Considerable experience with OO languages Python, Java, Ruby on Rails
- Familiarity with languages R, Matlab, VBA, Objective C
- Web Applications programming: HTML, CSS, JavaScript / jQuery
- Familiar with accessing APIs via Rest-Client and JSON
- Version Control / hosting tools: Git and GitHub, Subversion
- Database Query tools: SQL, PostgreSQL
- Microsoft Office: Proficient in Excel, PowerPoint, Visio, Word
- Web Application deployment via Heroku and Amazon Web Services
- Series 7 Certification

ACTIVITIES & INTERESTS

- Music production using the Ableton suite of products and various plug-ins
- Interests include web app development, golfing, skiing, surfing, and the New York Jets