

Jason Buoni

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Education

August 2018

Georgia Institute of Technology, Atlanta GA

Masters of Science, Computer Science

GPA: 3.8

Projects

Strategy Learner: Using machine learning, created a strategic learner which would attempt to find the best series of trades to make for a specific stock over a specific period. In most cases, the learner performed over 100% better than if the individual would have purchased the stock on the start date and sold it at the end date.

Tools and Languages: Python, Pandas, Numpy

Mosaic Generator: Using computational photography techniques, created an application that will generate a mosaic image using a series of inputted images. Can support grayscale and image caching, as well as the ability to repeat or not repeat images.

Tools and Languages: Python, Numpy

May 2013

Rochester Institute of Technology

Bachelors of Science, Software Engineering, Economics Minor

Experience

MAY 2015 - PRESENT

Turner Broadcast Inc., Atlanta GA – Senior Software Developer

Developed backend and frontend services used to transfer video files and metadata to CNN and Turner internal systems in London, New York, DC, and Atlanta, as well as other locations around the world. Worked on the content supply chain system used to ingest and manage media for Turner channels and consolidate it for products such as HBO and future streaming applications. Responsibilities included developing and maintaining full-stack systems, working with DevOps tools to deploy systems, and mentoring interns and new developers.

Projects

Content Supply Chain: As a member of a scrum team implemented a content delivery system used to deliver video content and related data to users responsible for scheduling, customization, quality control, and other job functions. Worked to design services responsible for communicating between AWS and internal systems behind a firewall, systems responsible for integrating terabytes of data from legacy to the new content supply chain, and the internal UIs responsible for allowing users to manage all of Turner's content.

Tools and Languages: NodeJS, React, Javascript, Backbone, Python, Java, Scala, Chef, C#, AWS, MySQL, MongoDB

Metro: As a member of a scrum team, implemented a microservice architecture responsible for managing and completing tasks required within the Turner System, including file and data transfer, video proxy and closed caption generation, video alterations, as well as other automated tasks. Implemented a Scala microservice using Akka which cut down on the need of multiple other microservices, and removed code complexity.

Tools and Languages: NodeJS, Scala, Java, Javascript, Java, Ruby, Chef, MongoDB, Aspera Orchestrator

Proxy: As a member of a scrum team implemented and maintained a new video proxy system which supported HLS and MP4 proxies, was updated to support all new browsers as well as older browsers, and integrated within the CNN media ingesting architecture. Created deployment process using Chef and Jenkins. Updated legacy Scala and Java systems to work with the new architecture.

Tools and Languages: NodeJS, Scala, Java, Backbone, Redis, Chef

Elections: As a member of a scrum team, worked on CNN's election suite used to gather election data including votes, compile statistics for the analysis team to predict and call elections, generate graphics for producers to put on screen for viewers. The software has been used to broadcast all elections since 2008.

Tools and Languages: Javascript, Backbone, NodeJs, MongoDB, Java, Scala, Chef

Other Accomplishments

Mentorship Program: Worked with up to three interns per semester to help guide and mentor them through the internship process. Was responsible for interviewing candidates, managing intern workloads, handling noncritical work-related issues, reviewing intern code, teaching younger interns coding practices, and helping in an advisory role after the intern had graduated from our internship program.

JUNE 2013 - MAY 2015

Westat, Atlanta GA – Programmer Analyst

Worked independently and with a team to develop and maintain data collection systems and data visualization tools. Manage database structure, website content, and implemented new features across multiple platforms and devices. Responsibilities included managing and maintaining Transit Study survey applications and databases, implementing and maintaining Transit Data Visualizer tools, and developing Android applications.

Projects

Household Travel Study: As a member of a team, implemented, tested, and maintained a Household Travel Study survey system, including a trip building tool, and internal monitoring systems. The application creates a dynamic survey that will ask participants questions about themselves, and monitor/plot GPS data collected while the participant travel. Internal systems manage data migration and connect call center employees with survey respondents. Clients included Israel, MDOT, SEMCOG, Regional Transportation Commission of Southern Nevada, Albuquerque Transit Department, and the New Jersey Transit Department.

Tools and Languages: .NET, C#, JavaScript, Typescript, PostgreSQL, SQLite, jQuery, GIT, LINQ, Devart, SVN

WESDAS: As a member of a team, designed and implemented an Android application that paired with an Arduino device, Bluetooth device, and GoPro camera would monitor and record user data as they traveled in

their vehicle. Data collected included audio frequency, GPS coordinates, steering angle, brake levels, light frequency, as well as other information.

Tools and Languages: Java, Android SDK, SQLite, Gradle, Arduino, GoPro, GIT

NCS LEAF: As a member of a team, designed and implemented an Android application that paired would collect GPS data and display client location as well as geographical map data. The application would allow the user to record video, take pictures, and record notes about specific geographic areas.

Tools and Languages: Java, Android SDK, SQLite, Gradle, Google Maps API, GIT

DECEMBER 2012 – MAY 2013

Mary Cariola Children's Center, Rochester New York – *Website Developer*

Designed, documented, and oversaw the remodeling of the company's website. Website responsibilities included gathering and documenting all current faults and desired changes, implementing and maintaining desired changes, and training staff on how to update the website.

MARCH 2012 – NOVEMBER 2012

Verivo Software, Waltham Massachusetts – *Product Manager*

Managed the software maintenance lifecycle for the enterprise-level mobile development platform. Evaluated and mitigated regression risks, upgrade requirements, and other maintenance tasks. Performed administrative functions for Agile Scrum. Documented software issues and cross-correlated to product specifications. Worked to design REST services and corresponding MySQL database for company CRM application.

Tools and Languages: SQL, MySQL, REST, JIRA

FEBRUARY 2011 – SEPTEMBER 2011

Brand Networks Inc., Rochester NY – *Software Developer*

Developed Facebook applications for companies such as Carnival Cruise Lines, REI, Stride Right, and Biore with a focus on mobile web development. Projects included REI member portal, Carnival QuickGo application, Stride Rite mobile sweepstakes, and Biore Provelt.

Tools and Languages: .NET, C#, JavaScript, Facebook API, LINQ, Google Maps, jQuery, SQL Server

Certifications

Scrum Certification, 2016: Scrum Alliance