J O H N M . F L A H E R T Y

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EDUCATION

Boston College – School of Arts and Sciences   Chestnut Hill, MA
Bachelor's Degree in Computer Science with Minor in Philosophy   May 2017

Boston Latin School – High School   Boston, MA
Rigorous College Preparatory Curriculum   June 2013

TECHNICAL SKILLS

- Knowledge of Data Structures and Algorithms (Java)
- Python TKinter
- Processing JSON
- Android Programming
- Web scraping/API consumption
- Windows Powershell/Command Prompt
- RESTful API consumption
- Full-stack web development (HTML, CSS, PHP, MySQL, JavaScript, Bootstrap, AngularJS, ASP.NET MVC)
- Ruby on Rails web development
- Jenkins CI
- C/C++
- C#/.NET
- MIPS Assembly Language
- Verilog/Xilinx ISE

PROFESSIONAL EXPERIENCE

KAYAK   May 2016 - Present
Software Engineer Intern - Android   Greater Boston Area, MA

I worked as a full-time engineer on the KAYAK Android team which consisted of less than a dozen people. I had the pleasure of extending my knowledgebase of the Android framework at an accelerated pace with this very intelligent and effective group of engineers at an extremely competitive company. As the only Android intern, I was able to use useful libraries like RxJava and Retrofit2 to perform advanced Asynchronous JSON retrieval and parsing using Observables.

Boston College IT Services   February 2016 - Present
Student Programmer   Greater Boston Area, MA

I joined Boston College as a student programmer with BCITS, or Information Technology Services. This is a group of software engineers who work for the University that have come together to work in BC's own "dev shop" to build the EagleApps system. EagleApps is a spin-off of the Kuali education tech product meant to streamline technologies at schools across the country. It is a 10-year long project all together and BC is now leading the charge.

As a student programmer, I will be working in Java with the various databases and features of the EagleApps project. EagleApps will bring together and streamline things like class registration and degree audits for students as well as content management and course additions/descriptions for professors.

OpenPage, inc.   November 2015 - Present
Co-Founder, Lead Backend Developer/Architect   Boston, MA

OpenPage, inc. is an online application and service that will provide a large database of digital textbooks bought directly from publishers that can be accessed by any student for a monthly membership fee that will be highly preferred to the usual price paid in a traditional university bookstore. We reduce costs by assuming risk on behalf of our partners and customers. We offer a competitive option to publishers by guaranteeing them large purchase quantities - similar to those of a university - but privately, thus circumventing time-consuming bureaucratic processes that universities have in place when purchasing textbooks. In-turn, our subscribers get highly competitive pricing. I am taking part in a complex backend system to streamline communication between the website and its databases for things such as waitlists, member databases, and e-book databases. I am also assuring correct communication between the OpenPage web app and 3rd party reader software and more. http://GetOpenPage.com/

Revenue Solutions, Inc.   June – August 2015
Software Engineer Intern   Greater Sacramento Area, CA
    I interned as a software engineer for a leader in tax efficiency software for state government agencies for the summer. I was part of a team that handled their main product, RPE, and specifically its tech debt. My specific job involved migrating an outdated ASP.NET Web Forms application to a more efficient and updated ASP.NET MVC as part of a general modernization of the company's tools and programs. I migrated a continuous-integration portal to be used by other developers in order to request builds from RSI's Jenkins CI server, thereby saving many developer man-hours. This involved utilizing a myriad of advanced AngularJS features and a deep understanding of ASP.NET MVC.

Boston College   2014 – Present
Computer Science Administrative Assistant   Boston, MA
    I assist in general office duties such as student roster assurance, labeling, student service for the small but very elite Computer Science program at Boston College. I am able to kindle and maintain close relationships with professors and other students. Being at the hub of BC tech also allows me to stay at the forefront of any new information involving research opportunities, hackathons, and the like that are offered by the department.

Courageous Sailing   2010 – Present
Instructor/Instructor Trainer   Charlestown, MA
    Courageous Sailing is a non-profit sailing organization dedicated since the 1980's to providing free sailing lessons to the inner-city children of Boston. I spent many years as part of the program, and then progressed through their racing program and became an Instructor-in-Training, and eventually an Instructor. I have experience interacting with and teaching children and adults of all ages how to sail in a quick and efficient manner; sometimes as quickly as 24 total hours. I have taught general skills all the way up to advanced racing techniques as well as training Instructors. I had the pleasure of having a major part to play in getting a $100,000 grant awarded to Courageous Sailing in 2015 from a local insurance company that awards grants to non-profits. Courageous provided me the means to learn communication, teaching, and managing large groups of people.

The Choir of Men and Boys at the Parish of All Saints   2005 – 2008
Head Chorister/Chorister   Dorchester, MA
    The choir of men and boys is a group of professional singers who perform around Massachusetts year-round and sing at the weekly Sunday Mass at the Parish of All Saints in Dorchester. I was accepted by the choir at 10 years old after trying out and spent the next 3 years practicing several times weekly and singing each Sunday or at performances at different churches during the holidays. After some time, I

was chosen as Head Chorister, which was my first official leadership position that helped to foster the creativity, management, and role-modelling skills that I carry with me to this day in all of my work environments.

LEADERSHIP & PROJECTS

Web Stocks – Java Program/Android App   2014 – Present

I designed and worked with a fellow student on a Java program which scrapes Barron's web page then queries Yahoo Finance API to display stocks to watch on current day along with relevant tickers and other information in a neat, organized ListView on the screen. The source code for both the Android app and the Java-only version can be found on my GitHub.

CheckIt – Simulated Stock Portfolio/Research Website   April – May 2015

I worked with 2 other team members to build a dynamic, simulated stock portfolio and stock research website. Libraries, tools, and languages including Bootstrap, HTML, CSS, PHP, JavaScript, MySQL, and the PubNub JS API were utilized. There is a very advanced level of PHP used to facilitate string data manipulation and handling of large amounts of other data organized into arrays and other structures. The site includes real-time, updating charts, search tools, and a live chat box hosted at http://cscilab.bc.edu/~oconnonx/CheckIt. The source code can be found on my GitHub.

Ruby on Rails Hackathon/Workshop – Build Twitter in a Weekend   January 2015

I spent a single weekend building a Twitter-esque website using RoR technologies by utilizing several 'gems' and building several models, views, and controllers. I then pushed this application to the internet using the Bitnami developer package and Heroku app services. The site is hosted at http://flahtweet.herokuapp.com/. The source code can be found on my GitHub.

Boston College Computer Science Society member   2014 – Present

I am involved with and attend several BC CS Society Events. Along with this, I help with setup in the Computer Science department, interact with fellow students and faculty, attend tech company information sessions and recruiter Q&As, and receive a constant flow of information about local and distant hackathons.

Boston College Division I Varsity Athletics   2013 – 2014

I participated in the extremely competitive collegiate racing world at Boston College by trying out for and making the sailing team. I was coming off of a great high school sailing career in which I received the 'Most Outstanding Sailor' award twice and served as team captain my senior year. Boston College is a consistently top-five ranked team with several championships from recent years on its track record. I was a very positive presence personality-wise and fostered a sense of community amongst the team while keeping the oftentimes grueling schedule lighthearted with motivation in the gym and great energy out on the water.

Boston College Investment Club member   2014 – Present

Stock trading has been an interest of mine since I purchased my first shares of Microsoft around the age of 13. Boston College has a very avid community involved in finance and the stock market. By signing up for the investment club, I receive information about stock pitches, managing their large portfolio, and performing fundamental analysis.

Stock Trading/Fundamental Analysis   2014 – Present

I participate in individual stock trading, relevant online forum discussion, company analysis, and active self-education about financial markets (Wall Street Journal, online materials).

RECOMMENDATIONS

Revenue Solutions, Inc.
Software Engineer Intern

[Christopher Schipper](#)

Full Stack Senior .Net Architect/Developer/Mentor

"Mr. Flaherty was an exciting individual to work with. He was able to keep up on a demanding project with ever increasing requirements. His ability to locate answers and use unique resources to complete challenging assignments was a welcome addition. I wish him the best in his future endeavors and would certainly enjoy working with him again."

August 19, 2015, Christopher managed John at Revenue Solutions, Inc.

[Gustavo Ortega](#)

Software Engineer, Developer and Programmer, .NET.

"Mr. Flaherty is a promising star, fully-energized and looking forward to contribute in the IT business. Though we didn't work directly, he gained a reputation that talks for his willingness to go the right way."

August 26, 2015, Gustavo managed John indirectly at Revenue Solutions, Inc.

Courageous Sailing
Instructor

[Dave Dilorenzo](#)

Executive Director at Courageous Sailing

"I've come to know Jack well as a sailor, competitor, instructor, and coach around Courageous Sailing. He has tremendous energy and intelligence; is a natural, gifted leader; and has a deep

commitment to our mission, supporting underserved Boston youth. Jack has a ton of potential and I'm looking forward to following his career in the years ahead. "

September 12, 2015, Dave managed John at Courageous Sailing Center for Youth, Inc.