

JOSEPH WANG

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14200 Hartwood Ct,
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Availability: Jan. 2018 – June 2018

EDUCATION

Northeastern University, Boston, MA

Sept. 2015 – Present

College of Computer and Information Science

GPA: 3.57 / 4.00

Candidate for a Bachelor of Science in Computer Science & Interactive Media (5-Year Program)

Expected 2020

Relevant Courses: Interaction Design 2: Mobile, Human Computer Interaction, Computer Graphics, Object-Oriented Design, Algorithms and Data, Interaction Design 1: Responsive, Logic and Computation, Discrete Structures, CS Fundamentals I & II

Honors: **Dean's List Fall 2015, Spring 2016, and Fall 2016**

Thomas Jefferson High School for Science and Technology, Alexandria, VA

Sept. 2011 – Jun. 2015

Graduated with Advanced Studies High School Diploma from the top high school in the U.S.

GPA: 3.96 / 4.00

EXPERIENCE

SparkCo, Inc

Feb. 2017 - Present

SparkCo, Inc. is a Harvard based start-up that aims to aid ecommerce businesses by providing valuable insights using predictive analytics and knowledge of the sales industry through their SparkSales platform.

Full-Stack Developer Co-op

Allston, MA

- Key contributor to the SparkSales platform - designed and launched multiple web applications from the ground up for both clients and company agents, utilizing data analytics and natural language tools in the back-end
- Designed a CMS dashboard from scratch to enhance the productivity and work flow of the company's managers
- Aided in the deployment of a billing system using the Stripe API, which automatically calculates client commission rates
- Made use of ecommerce APIs such as Shopify and Woocommerce to verify submitted sales by agents
- Utilized cloud computing and machine learning algorithms to build a real-time data analytics engine
- Deployed a REST API and accompanying promotional webpage using Virtual Servers from IBM's cloud platform

Scout Design Studio

Sept. 2017 – Present

Studio Developer

Boston, MA

- Collaborated with a team of designers to create applications tailored to client needs
- Produced and executed designs aimed at creating an optimal user experience

Northeastern University Marketing & Communications / University Publications

Sept. 2016 – Dec. 2016

Web Assistant

Boston, MA

- Performed web analytics on University News postings to optimize web traffic
- Developed Facebook Instant Articles to optimize the experience of mobile audiences

SKILLS & PROGRAMMING LANGUAGES

Languages: JavaScript, PHP, Java, Python, HTML/CSS, SQL, Nginx, Racket, Processing
Frameworks & Libraries: Vue.js, jQuery, Bootstrap, sci-kit learn, Stripe, Flask, Falcon, Rasa NLU, Shopify
Software & Platforms: Adobe Creative Suites (Photoshop, Illustrator, InDesign), IBM Bluemix Cloud Platform

PROJECTS

“Music Editor” built in Java

Fall 2016

- Developed a custom music editor which parses files to obtain notes, displays said notes in a GUI window, allows for user modifications and interactions, and audio of playback in real time. This project was developed with the MVC design model in mind, allowing for rapid changes and substitution of components.

“Instagram PhotoTracker” built in Processing

Fall 2016

- Utilizing the Instagram API and Processing, a programming tool built on Java. This data visualization application allows users to view recent Instagram posts based on location in the downtown Boston area. Key features include searching by different tags and dynamically linking to the post's page in a web browser.

“Forbidden Island” built in Java

Spring 2016

- Virtual version of the board game, with additional implementations such as character sprites, win and lose scenarios, randomly generated terrain, flooding algorithms, and real-world timing.