

NELSON DEV BURTON



151 5th Ave, Apt 2
Brooklyn, NY, 11211



517.648.6640



nelsonb@gmail.com



www.linkedin.com/in/nelsonburton

SKILLS

Programming: Java, C#, Ruby, Python, C++, Javascript, Matlab

Tools: SQL, Git, Unix, MongoDB, IntelliJ, Photoshop, Illustrator, InDesign, Excel

Web: Spring MVC, Ruby on Rails, Django, Angular, HTML, CSS, Twitter Bootstrap, Wordpress

Informatica: Power Center, Rulepoint for Complex Event Processing, Data Exchange, Data Transformation, Big Data Edition, Data Services

EDUCATION

University of Michigan – Ann Arbor, MI 2009-2013

- BSE in Electrical Engineering, *Magna Cum Laude*
 - Emphasis in Digital Signal Processing
 - Member, Eta Kappa Nu Honor Society
- BBA from Ross School of Business, *with Distinction*
 - Emphasis in Finance
 - Member, Michigan Interactive Investments
- GPA: 3.7/4.0

SIDE PROJECTS

Designed, developed, and shipped iPhone App "Swoop" during final year at UofM. App enabled users to create and share unique photo voice combination.

Designing and developing notary public application that uses the Bitcoin blockchain to store hash of desired document.

PROFESSIONAL EXPERIENCE

Allure Security - New York, NY

Software Engineer

Sep 2015 - Present

- Full stack engineer working on team of 3, touching all aspects of the product development lifecycle.
- Took ownership of the Novo beacon product.
 - Cut beaconization times with in memory optimization.
 - Doubled supported document types by finding a way to silently track Excel and Powerpoint documents.
- Initiated and led an API refactoring from an ad hoc model to a RESTful model; this significantly improved maintainability and versioning.
- Worked on securing Novo (Java Spring application) against potential attacks with input validation, DDOS filtering, code signing, and secure communication channels.
- Acted as project manager for sprint, coordinating between onsite and offsite developers via daily stand ups and set aggressive deadlines. This ownership led to shipping the Novo product in 3 months.

Eccella - New York, NY

Software Consultant

June 2013 - April 2015

- Installed, designed, and implemented IT solutions at large enterprise clients using Informatica tools (projects by client are listed below).
 - **Bausch & Lomb** – London, England – To modernize entire European data exchange operation, I wrote data parsers and routing logic, resulting in automatic order fulfillment and acknowledgement processing.
 - **Energy Information Administration DoE** – Washington, DC – Configured solution across multiple servers and environments.
 - **Mass Mutual** – Springfield, MA – Highly praised by Eccella CEO for volunteering to help in sales process leading to software and services deal.
 - **Swisscard** – Zurich, Switzerland – Developed APIs to expose credit card data using webservices. After multiple consultants failed to complete project, I succeeded by bringing the delayed project back on schedule.
 - **UMass Memorial Hospital System** – Worcester, MA – Upgraded event processing software, my quality of work achieved contract extension.

RBC Capital Markets - New York, NY

Quantitative Summer Analyst

June - Aug. 2012

- Built AJAX web application using jQuery, Django, and Twitter Bootstrap to display live risk profile and profit-loss of traders' accounts.
- Taught senior team members how to display their trade information using the framework I had developed upon early completion of the project.

Goldman Sachs - New York, NY

Summer Analyst

June - Aug. 2011

- Implemented performance measurement tools in Java backend trade processing system to discover existing choke points, monitor current system usage, and predict future capacity restraints.

Jet Propulsion Laboratory, NASA - Pasadena, CA

Software Engineering Intern

June - Aug. 2010

- Designed and produced a graphic prototype for future NASA Curiosity website. To enhance public interest in space exploration, important design decisions included attention to social networking, a dynamic user interface, and an interactive experience. Discussed with and demonstrated for upper management who highly recommended my design.