Jacob A. Niebloom

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SOFTWARE DEVELOPMENT INTERNSHIP QUALIFICATIONS

- Core Skills: Java (Including Spring-MVC Web Application Development), iOS Development (Objective-C, Swift), Web Development (HTML, CSS, Javascript, CSS, PHP), Python (Machine Learning, Algorithms).

- Additional Skills: PostgreSQL, T-SQL, LaTex, C, AppleScript, Bash.

- Experience with Xcode/iOS, Spring Tools Suite, Cocoapods, Roo, Maven, jQuery, Bootstrap, JavaServer Pages (JSP), OpenStack, OpenStack4j API, Parse API, Google API, Facebook API, Twilio API, and Spotify API.

- Knowledge of Data Structures, Complexity Analysis, Machine Learning, Data Clustering, Data Analytics, Web Design, Unit Testing, Continuous Integration, Scrum Methodology and Agile Development.

TECHINCAL EXPERIENCE

PARC, a Xerox company   *May 2015-* **Present**
Summer Researcher (May-August) and Researcher on Work Study (September-Present)
   • Work includes developing web based applications as part of PARC research, such as the Big Data Foundry.
   • This web application, built using Java, Spring Tools Suite, Roo, Maven, and OpenStack, is a simple to use interface for managing cloud computing instances and clusters for data scientists to receive analytics and insights on their 'Big Data' sets.

URDining, LLC   *March 2015-* **Present**
Co-Founder and CTO
   • Developed the University of Rochester's Official Campus Dining Mobile Application
   • Project has received backing from Facebook as part of the FbStart Bootstrap program.
   • Displays the menu and nutritional data for all on campus dining establishments, collects student feedback, and creates analytic reports.

Urlinq, LLC   *May 2015-* **Present**
iOS Project Lead and Full-Stack Developer
   • Developed Edu Chat for iOS. A new way for students across any campus to connect.
   • Product launches at NYU in September 2015.

Phatapps Development, LLC   *February 2011-* **Present**
Founder and CEO
   • Found and run a Software Development Company designing elegant and intuitive software.
   • Conducts outreach to clients, liaise to determine client needs, and then transform those neeeds into software and applications based solutions.

The University of Rochester   **Rochester, NY**
   • *Research Assistant for Jiebo Luo; Developing Software and Mobile Applications for Health Analytics.*   *March 2015 -* **Present**
   • *Workshop Leader for Science of Programming (Java Course) and Science of Data Structures (Java Cource). Weekly sessions with ~10 Students to facilitate learning.*   *January 2015 -* **Present**
   • *Tutor in Computer Science and Mathematics*   *January 2015 -* **Present**

Saint Barnabas Medical Center   **Livingston, NJ**
Software Developer   *June 2014 - August 2014*
Full Time Internship   *315 Hours February 2014 - May 2014*
   • As lead programmer, Developed Compliance Manager Mobile, an iPhone application, "Work Order Management System", that would allow maintanance and facilities employees across New Jersey's largest hospital system to view their current work orders and log their hours from their iPhones.
   • Gained experience with Objective-C, Python, T-SQL, Security, Encryption, and working with a large corporate database over an ODBC connection.

PROJECTS AND APPS

URDining - iPhone Application   *itunes.apple.com/ca/app/urdining/id946206056*   Public Beta Released
Lead Backend Developer and Co-Founder

Edu Chat - iPhone Application   Private Beta Testing
iOS Project Lead and Lead Programmer

Compliance Manager Mobile - iPhone Application   Product Launched
Lead Programmer/Designer

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University of Rochester Playing Game *uofrpg.com* Science of Data Structures Honors Project
Project Lead and Backend Developer. Game developed using JavaScript and Parse API

Twilify *twilify.co* Alpha Version Released
Hackathon Project at BrichHack 2015
Backend and Twilio Developer. Experience with PHP, Spotify API, and Twilio API.

FTC Robotics Team at Golda Och Academy **West Orange, NJ**
September 2013 - May 2014
Founder and President. Gained experience with Robot C and CAD software.

EDUCATION

University of Rochester **Rochester, NY**
Anticipated May 2018
Honors B.S. Degree Computer Science with Minor in Business
- GPA: 3.72, Dean's List and Dean's Scholarship All Semesters
- Selected Courses: Artificial Intelligence, Honors Data Structures, Discrete Mathematics, Differential Equations, Linear Algebra
- Member of The Computer Science Undergraduate Council at The University of Rochester
- Serve as Program Director of Computer Science at YEN tutoring, a Rochester area private tutoring firm.

Johns Hopkins University **Baltimore MD**
September 2013 - July 2014
- Completed Online Linear Algebra Course with a 3.7

Carnegie Mellon University **Pittsburg, PA**
Summer 2013
- Completed Integration, Differential Equations, and Approximation, and Fundamentals of Programming with a 4.0 GPA