Jacob A. Niebloom

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SOFTWARE DEVELOPMENT INTERNSHIP QUALIFICATIONS

- Proven abilities to transform vision and instructions of supervisors and clients into software programs, web driven applications, smartphone applications, data analytics programs, and other form of software solutions.
- Advanced: Java, Javascript, Objective-C, Python. Intermediate: AppleScript, Bash, HTML, LaTex, MySQL. Beginner: C, Lisp, PHP, Robot C, Ruby, Swift.
- Knowledge of Data Structures, Machine Learning, Clustering, Xcode/iOS, Web Design, jQuery, Bootstrap, Parse, and Analytics

SOFTWARE DEVELOPMENT AND TECHINCAL EXPERIENCE

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.

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 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, MySQL, Security, Encryption, and working with a large corporate database over an ODBC connection.

The University of Rochester   **Rochester, NY**
- • *Research Assistant for Jiebo Luo; Developing Software and Mobile Applications for Health Analytics.*   *March 2015 -* **Present**
- • *Research Assistant for Jaewoo Kim, Simon Business School, Computer Science Department; Designing software for Data Mining and Analytics.*   *March 2015 -* **Present**
- • *Workshop Leader for Science of Programming, Java Course. Facilitate weekly sessions.*   *January 2015 -* **Present**
- • *Tutor in Computer Science and Mathematics*   *January 2015 -* **Present**

PROJECTS AND APPS

URDining - iPhone Application *Available on iTunes*   End of Testing Phase
Lead Backend Developer and Co-Founder
- •An iPhone application for the University of Rochester dining services to manage the menu system and to get feedback from the student body. Project has received backing from Facebook as part of the FbStart Bootstrap program.

Compliance Manager Mobile - iPhone Application   Product Launched
Lead Programmer/Designer
- •An iPhone application, "Work Order Management System", for the New Jersey Hospital System, "Barnabas Health, Inc."

University of Rochester Playing Game *Available Here*   Science of Data Structures Honors Project
Project Lead and Backend Developer

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

EDUCATION

University of Rochester   **Rochester, NY**
Honors B.S. Degree Computer Science with Minor in Business   *Anticipated May 2018*
- • GPA: 3.65, 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**
- • Completed Online Linear Algebra Course with a 3.7   *September 2013 - July 2014*

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