

# Jacob A. Niebloom

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## SOFTWARE DEVELOPMENT INTERNSHIP QUALIFICATIONS

PDF Version

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

## SOFTWARE DEVELOPMENT AND TECHNICAL EXPERIENCE

### PARC, a Xerox company

Summer Researcher

May 2015- Present

### Uring

Full-Stack Developer

May 2015- Present

### URDining, LLC

Co-Founder and CTO

March 2015- Present

- 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 for all on campus dining establishments, collects student feedback, and creates analytic reports.

### Phatapps Development, LLC

Founder and CEO

February 2011- Present

- 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 needs 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.
- Research Assistant for Jaewoo Kim, Simon Business School, Computer Science Department; Designing software for Data Mining and Analytics.
- Workshop Leader for Science of Programming, Java Course. Facilitate weekly sessions.
- Tutor in Computer Science and Mathematics

March 2015 - Present

March 2015 - Present

January 2015 - Present

January 2015 - Present

### Saint Barnabas Medical Center

Software Developer

Livingston, NJ

Full Time Internship

June 2014 - August 2014

315 Hours February 2014 - May 2014

- As lead programmer, Developed Compliance Manager Mobile, an iPhone application, "Work Order Management System", that would allow maintenance 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.

## PROJECTS AND APPS

### URDining - iPhone Application [itunes.apple.com/ca/app/urdining/id946206056](https://itunes.apple.com/ca/app/urdining/id946206056)

Beta Released

Lead Backend Developer and Co-Founder

### Compliance Manager Mobile - iPhone Application

Product Launched

Lead Programmer/Designer

### HireRoc - iPhone Application

Development Stage

Lead Programmer and Co-Owner

### University of Rochester Playing Game [uofrpg.com](http://uofrpg.com)

Science of Data Structures Honors Project

Project Lead and Backend Developer

### Twilify [twilify.co](http://twilify.co)

Alpha Version Released

Backend and Twilio Developer

Hackathon Project at BrichHack 2015

### 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 Fundamentals of Programming with a 4.0 GPA

Summer 2013