

# JACOB NIEBLOOM

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## EDUCATION

### COMPUTER SCIENCE HONORS B.S. & BUSINESS B.A., UNIV. OF ROCHESTER SEPT 2014 – MAY 2018

- B.S. with Highest Distinction and Honors in Research in Computer Science; Cum Laude; GPA 3.7
- B.A. with Highest Distinction in Business; Cum Laude; GPA 3.7
- Courses of relevance: Science of Data Structures, Computation & Formal Systems, Artificial Intelligence, Computer Organization, Computer Models & Limitations, Design & Analysis Efficient Algorithms, Program Language Design, Cryptography, Differential Equations, Linear Algebra, Discrete Mathematic

## PROFICIENCIES

- Python, Django, DRF, Pip
- iOS, Swift, Objective-C, CocoaPods
- Java, Kotlin, Android, Maven
- HTML, JS, TS, jQuery, CSS, PHP
- Angular, React, Webpack, Node
- Spring MVC, JSP, Roo
- PostgreSQL, T-SQL, MySQL
- APIs, REST, HTTP
- AWS: EC2, S3, RDS, ElastiCache
- Redis, Celery
- Tomcat, Jenkins, Nginx, SSL
- Unit Testing, Continuous Integration
- Swagger, OpenAPI, Swagger CodeGen
- Jira, Agile, Scrum
- Cache Management
- Multithreaded Systems
- Data Visualization
- Schema Optimization
- Network and Security

## WORK EXPERIENCES

### DEVELOPER, HIGH REZ CONSULTING INC.

JUNE 2018 – PRESENT

- Developing software for US Navy. Under clearance. Full stack dev including Angular, TS, and Java.

### CO-FOUNDER & CTO, EDU.CHAT INC.

MAY 2015 – MAY 2018

- Created immersive and collaborative messenger for college classrooms; includes an AI teaching assistant
- iOS, Android, and Web platforms available
- Mentored and supervised 20+ interns (summer 2016) and 30+ interns (summer 2017)
- Currently piloting the product at New York University and University of Rochester

### HEAD WORKSHOP LEADER, TA, & TUTOR, UNIVERSITY OF ROCHESTER

JAN 2015 – MAY 2018

- Head Workshop Leader and Teaching Assistant across four distinct Computer Science courses
- Trained workshop leaders and assisted administration of course
- Facilitated weekly sessions of about 15 students each to promote learning of course material
- Created individualized study aids and practice problems for Mathematics students

### SUMMER & WORK STUDY RESEARCHER, PARC, A XEROX COMPANY

MAY 2015 – DEC 2015

- Built web-based interface for managing cloud computing instances and clusters
- Regularly interacted with Java, Spring Tools Suite, Roo, Maven, PostgreSQL, JavaScript, jQuery, Java Server Pages (JSP), Bootstrap, OpenStack, OpenStack4j API, Scrum, Continuous Integration, Git

### DEVELOPER, SAINT BARNABAS MEDICAL CENTER, LIVINGSTON NJ

FEB 2014 – AUG 2014

- Developed iOS app work order management system connecting facilities across NJ's largest hospital system
- Enabled employees to view pending work orders, log hours on iPhones, and more from across facilities

## HONORS AND RECOGNITION

- Acknowledgement for creating official university dining app: <https://goo.gl/XpQT1h>
- Dining App Endorsed by Facebook as part of the FbStart Bootstrap program
- University recognition of leadership: <https://goo.gl/KwXtzz>
- Highest Distinction
- Dean's List
- Dean's Scholarship