# William J. Cohen

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## Software Development Internship Qualifications

- Fundamental understanding of foundations of computer science through academic achievement
- Fluent programming abilities in Java, C, Prolog, Scheme, and Matlab through projects and coursework
- Web development skills in HTML/CSS and Javascript gained through internship experience
- Experience working both individually and in teams evidenced by collaborative and individual projects
- Strong ability to communicate in a business setting resulting from work experience in client service environments

## Computer Science and Business Studies, Activities and Honors

UNIVERSITY OF ROCHESTER                                                                                   ROCHESTER, NY
**Bachelor of Science in Computer Science with a Minor in Business**                    **Anticipated May 2017**
Masters of Computer Science, Graduate Engineering at Rochester (GEAR)              Anticipated May 2018
*GEAR provides selected students with a guarantee of admission into master's program.*

- GPA 3.84;  Dean's List

AIT BUDAPEST                                                                                              BUDAPEST, HUNGARY
**Study Abroad Program**                                                                                        **Fall 2015**

- Courses in computer science and entrepreneurship
- First prize in the AIT App competition to create a mobile application for students

## Selected Computer Science Courses and Projects

Computer Organization, Applied Cryptography, Mobile Software Development, Computer Graphics, IT Entrepreneurship, Computer Models and Limitations, Artificial Intelligence, The Science of Data Structures, Computation and Formal Systems, The Science of Programming, Linear Algebra with Differential Equations, and Discrete Mathematics

- **Othello AI in C:** Developed an AI player of Othello that examined the board and calculated the best possible move in a time limited format, and then entered into a class competition
- **Gaussian Elimination in Matlab:** implemented a manual version of Gaussian Elimination in Matlab with different algorithms to compare accuracy and efficiency.
- **Natural Language Processing in Prolog:** created a limited vocabulary translator of natural language to first order predicate calculus.
- **N-Queens Problem in Scheme:**  wrote working algorithms to place N queens on an N x N board with no conflicts and experimented with the efficiency of each.
- **Monroe County Map in Java:** given the mapped coordinate data for the roads in Monroe County, mapped the county and wrote an algorithm to find and display shortest path between points.

## Application Development and Programming Experience

ADVANCED DATA PROCESSING                                                                              ROSELAND, NJ
**Application Developer**                                                                                    **Summer 2015**

- Internal employee portal web development in HTML, CSS, and Javascript
- Worked to update content management system for current and future web projects
- Agile software development experience while working in a development team

## Experience

MANE USA                                                                                                            WAYNE, NJ
**Shipping Clerk**                                                                                              **Summer 2014**

- Responsible for logging and sampling all incoming shipments; move and wrap outgoing shipments

GROW IT GREEN MORRISTOWN                                                                        MORRISTOWN, NJ
**Urban Farm Intern**                                                                                          **Summer 2013**

- Supported urban farm staff with maintenance and the building of new plots, and with the sale of produce

BROAD REACH BENEFITS                                                                                     MADISON, NJ
**Client Services Specialist**                                                                            **Summer 2012**

- Collaborated with account teams to migrate employer groups to new online employee benefits portal