

# William J. Cohen

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## Software Development Internship Qualifications

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- 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

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UNIVERSITY OF ROCHESTER

**Bachelor of Science in Computer Science with a Minor in Business**

Masters of Computer Science, Graduate Engineering at Rochester (GEAR)

*GEAR provides selected students with a guarantee of admission into master's program.*

- GPA 3.84; Dean's List

ROCHESTER, NY

**Anticipated May 2017**

Anticipated May 2018

AIT BUDAPEST

**Study Abroad Program**

- Courses in computer science and entrepreneurship

BUDAPEST, HUNGARY

**Fall 2015**

## Selected Computer Science Courses and Projects

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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

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ADVANCED DATA PROCESSING

**Application Developer**

- 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

ROSELAND, NJ

**Summer 2015**

## Experience

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MANE USA

**Shipping Clerk**

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

WAYNE, NJ

**Summer 2014**

GROW IT GREEN MORRISTOWN

**Urban Farm Intern**

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

MORRISTOWN, NJ

**Summer 2013**

BROAD REACH BENEFITS

**Client Services Specialist**

- Collaborated with account teams to migrate employer groups to new online employee benefits portal
- Aided account executives and their team members with daily tasks interfacing with clients and insurance carriers

MADISON, NJ

**Summer 2012**