

# DANIEL COHEN

613 Rosslyn Road • Boalsburg PA, 16827 • 814-883-8238 • [danielcohen376@gmail.com](mailto:danielcohen376@gmail.com)

## EDUCATION

**Bowdoin College**, Brunswick, ME

**Bachelor of Arts, cum laude, May 2015**

*Major:* Mathematics/Computer Science Interdisciplinary

**GPA – 3.74**

*Relevant Coursework:* Data Structures, Algorithms, Computer Organization, Social and Economic Networks, Operating Systems, Artificial Intelligence, Computational Geometry, Nature Inspired Computation, Introduction to Mathematical Reasoning, Linear Algebra, Probability, Biomathematics, Combinatorics and Graph Theory, Microeconomics, Principles of Macroeconomics

*Honors:* Allen B. Tucker Computer Science Research Prize, Sarah and James Bowdoin Scholar 2012-2013 (Dean's List)

## WORK EXPERIENCE

**Big Picture Farm**, Townshend, VT

**July 2016 – December 2016**

*Goat Farming/Cheesemaking Apprentice*

- Worked closely with farm owners to care for the wellbeing of livestock (goats, pigs, chickens) and pastured land
- Executed day-to-day farming, milking and cheesemaking tasks
- Managed weekly farmer's market stand

**Epic Systems**, Madison, WI

**August 2015 – July 2016**

*Technical Services Analyst*

- Developed code and diagnosed programming issues for software suite and internal projects
- Guided hospital IT teams in implementing, maintaining and troubleshooting EMR software
- Led and prepared weekly calls with hospital IT teams and hospital leadership

**Bowdoin College Admissions**, Brunswick, ME

**April 2012 – May 2015**

*Head Tour Guide/Senior Interviewer /Assistant Head Tour Guide—Membership/Summer Admissions Intern*

- Interviewed prospective students for admission to the college
- Executed long-term plans for the tour guide program; implemented new program protocols to increase accountability
- Coordinated tour guide hiring, training, membership events, etc.

**Overland Adventures**, Williamstown, MA

**Summer 2013**

*Trip Leader*

- Led Cape Cod and the Islands (3 two-week bike trips for middle school students; 12 students per group)
- Extensive and demanding trip planning, preparation, and organization

## TECHNICAL EXPERIENCE

**Advanced Independent Study**, Brunswick, ME

**January 2015 – May 2015**

- Self-taught MPI alongside professor in high-performance computing lab and applied to viewshed algorithms (C)
- Developed a suite of tutorial MPI programs for use in the classroom

**Gibbons Summer Research Program**, Brunswick, ME

**Summer 2014**

*Research Fellow*

- Designed and created a program to optimize tour guide schedule for the Bowdoin College Admissions Office (Java)
- Implemented optimization algorithm using graph theory and artificial intelligence techniques
- Conducted trials with Admission Office, significantly reduced scheduling time

### Projects

- Generalizing tour guide scheduling problem and developing web platform (C++, PHP, Javascript, jQuery, HTML, CSS)
- Self-teaching web development frameworks (Laravel, Ruby on Rails)

## LEADERSHIP EXPERIENCE

**Bowdoin Alumni Schools Interviewing Committee (BASIC)**

**July 2015 - Present**

- Chaired for state of Wisconsin
- Organize alumni interviewers and coordinate alumni interview requests from prospective students

**Bowdoin Outing Club**, Brunswick, ME

**September 2012 – May 2015**

- Leadership Training Graduate--300 hours of classroom and field outdoor leadership training experience
- WFR (Wilderness First Responder) certified