

DANIEL COHEN

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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)
- Developed portfolio website (Laravel framework) to showcase computer science projects and other personal interests

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