

MIN "IVY" XING

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EDUCATION

Bowdoin College, Brunswick, ME
Majors: Computer Science, Mathematics

Bachelor of Arts, expected May 2015
GPA: 3.85

Honors: Dean's List every year; Math Department nominee for membership at two national math societies (AWM and SIAM)

Course Highlights: CS: Data Structures, Algorithms, AI, Operating Systems, Open Source Software Development, Computer Security, Optimization and Uncertainty, Computational Geometry, Nature-Inspired Computation; MATH: Multivariable Calculus, Linear Algebra, Mathematical Proofs, Intermediate Linear Algebra, Analysis, Combinatorics, Optimization, Modeling/Dynamical Systems

COMPUTER SKILLS

Languages: Extensive experience in Java, Objective-C; experience in C, Python, PHP; exposure to C++, JavaScript, HTML, CSS

Knowledge: Mobile/game/web development, machine learning, data mining, Unix, databases, security, quality assurance

Tools: MySQL, Git, Node.js, MongoDB, Heroku, SpriteBuilder, SoapUI, Mathematica, Xcode, Vim, Emacs, Eclipse, Sublime

PROJECTS

- ePlan: Developing a collaborative event planning iOS application in Objective-C, integrating Core Data and server backend
- Melonace: Designed, coded, and shipped an iOS grid puzzle game in Objective-C with interactive user tutorial and high score
- Built a Feedforward Backpropagation and a K-Nearest Neighbors neural network in Java for solving CAPTCHAs
- Contributed to Ronald McDonald House's PHP website backend and worked with its managers to schedule volunteers online

EXPERIENCE

MakeSchool, San Francisco, CA

July 2014 – Jan 2015

- iOS development: Objective-C best practices, Core Data, multithreading, server backend, CocoaTouch, app design, marketing
- Lectures and exercises on CS theory: data structures, algorithms, memory management, bit manipulation, sorting and searching

Center for Learning and Teaching, Bowdoin College

August 2013 – May 2014

CS Teaching Assistant; CS and Math Tutor, Grader; STEM and Academic Mentor

- Helped students with labs (graphics, recursion, etc.); tutored individual students; graded upper-level math courses and CS labs
- Worked with students on time management, study skills, and college transition; advised first-years pursuing the STEM fields

L.L.Bean, Inc., Freeport, ME

May – August 2013

Software Quality Assurance Intern

- Tested and automated test suites for web services; participated in defining strategies, requirements gathering, and design review
- Extra projects: Developed Common Gate Interfaces using SQL queries to look up coupons, sales, and user information

Computer Science Department, Bowdoin College

May – December 2012

Independent Student Researcher, mentored by Professor Daniela Oliveira

- Mined and streamed massive data from Twitter using Python scripts and persisted the data in MySQL database
- Analyzed relationships between a doctor and his followers on Twitter to infer each follower's trust level on the doctor

Mathematics Department, Bowdoin College

October 2011 – May 2012

Research Assistant to Professor Mary Lou Zeeman

- Compiled data of atmospheric gas concentration across the globe to analyze climate change; proof-read academic paper drafts

LEADERSHIP AND ACTIVITIES

Young Leaders 3.0, <http://www.youngleaders3.com/>

August 2013 – November 2014

Book Contributor

- Wrote on overcoming hardships in *Young Leaders 3.0*, a collection of inspirational stories from 24 young leaders nationwide

International Club, Bowdoin College Campus Organization

September 2011 – May 2014

President

- Led 12 officers and over 200 members, planned monthly activities, organized large-scale events such as the International Week

Fullbridge Program, On-Campus Session

January 2013

Participant and (later) Student Campus Advocate

- Intensive two-week program in communication, business research, financial analysis, valuation, and project management
- Won performance-based MVP award in my team and selected to represent the company to advertise the curriculum at Bowdoin

California Annual Nobel Laureate Dinner, Getty Center, Los Angeles, CA

November 2010

University of California, Davis Representative and Student Presenter

- Presented a cryptography project to 10 Chemistry and Physics Nobel Laureates, and to UC board members and professors