MIN "IVY" XING

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EDUCATION

Bowdoin College, Brunswick, ME — **Bachelor of Arts, expected May 2015**
Majors: Computer Science, Mathematics — **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

Make School, 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