

# 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

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## 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

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## 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

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## 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

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## 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 23 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