Ana Bealo

70 Hope Ave, Waltham MA, 02453
ana<dot>bealo@gmail<dot>com • http://www.anabealo.com

EDUCATION	**University of Rochester**, Rochester, New York, USA	
	Bachelor of Science (B.S.) in Computer Science	Sep 2011 – May 2015
	• Graduated with Distinction.	
	Bachelor of Art (B.A.) in Mathematics	Sep 2011 – May 2015
	• Graduated with Distinction.	

ACADEMIC AWARDS	Dean's List, Spring 2012 through Spring 2014, College of Arts and Science	2012 – 2014
	For attaining a semester GPA of at least 3.4	

WORK EXPERIENCE	**Factset Research Systems**, Boston, MA, USA	
	Software Engineer,	Jul 2015 – Present
	• Work on risk analytics team	
	Charles River Analytics, Cambridge, MA, USA	
	Software Engineering Intern,	May 2014 – Sep 2014
	• Re-factored Java system to classify oceanic objects, focused on identifying torpedoes based on acoustical analysis	
	• Built Java system to implement conversion analysis of geosynchronous satellites in orbit	
	• Implemented algorithms to mathematically deduce how to identify satellites based on keplerian orbital mechanics	
	• Designed base architecture and MySQL database for pulling data from a satellite tracking API and for a probabalistic Java/Scala association engine	
	Anadigics Inc., Tyngsboro, MA, USA	
	Software Engineering Intern,	May 2013 – Sep 2013
	• Rewrote and documented existing data analysis code to run more efficiently and be more maintainable	
	• Re-factored a large Visual Basic codebase in an Excel Macro for histogram generation	
	Anadigics Inc., Tyngsboro, MA, USA	
	Test Engineering Intern,	May 2012 – Sep 2012
	• Rewrote and documented existing data analysis code to run more efficiently and be more maintainable	
	• Analyzed large data sets using Excel, JMP and Data Desk	
	• Presented data findings using PowerPoint and summary reports	
	• Created universal cables for lab electrical test station rewiring	

TEACHING ASSISTANT EXPERIENCE	**University of Rochester CS Department**, Rochester, NY, USA	
	Head TA for Data Structures and Science of Programming,	Sep 2014 – May 2015
	• Work on risk analytics team	
	TA for Data Structures and Science of Programming,	Sep 2013 – May 2014
	• Lead small group learning as a workshop leader	
	• Clarified complex ideas learned in lecture	
	University of Rochester Math Department, Rochester, NY, USA	
	TA for Calculus I and Calculus II	Sep 2012 – May 2014
	• Prepared and taught weekly lesson plans	
	• Tutored students one on one to assist outside the classroom	

FAVORITE CLASSES	**Computer Science**
	Algorithms, Computation and Formal Systems, Introduction to Cryptography, Science of Data Structures, Computer Models and Limitations, Introduction to AI Computer Models and Limitations
	Mathematics
	Combinatorics, Introduction to Probability, Linear Algebra

COMPUTER LANGUAGES	**Proficient**
	Java, C++
	Intermediate
	Python, Javascript, LaTeX