Ana Bealo

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,   2012 – 2014
College of Arts and Science
For attaining a semester GPA of at least 3.4

WORK EXPERIENCE

Factset Research Systems, Boston, MA, USA
Software Engineer,   Jul 2015 – Present
  • Member of the risk analytics team
  • Using C++ to create and update models that analyze the risk of investment portfolios

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
  • Managed TAs for the classes
  • Colaborated with professor to create workshop materials each week

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, Python, C++

Intermediate
HTML, CSS, Javascript, LaTeX