

Andrew Reynolds

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Education

Siena College, Loudonville, New York
Bachelor of Science, Computer Science
Minor: Business

Expected May 2015

Overall GPA: 3.56

GPA within CS Department: 3.81

Relevant Coursework completed by December 2014: Java Programming, Analysis of Algorithms, Object Oriented Programming, Python Programming, Robotics, Data Structures, Programming in C, Web Application Development, Assembly Language, Calculus I/II, Discrete Mathematics I/II, Database Management Systems, Android App Development, and Software Engineering

Work Experience

Software Engineer Intern, GTNexus, New York City, NY

May 2014 – Aug 2014

- Developed hybrid mobile applications
- Built version control mapping software tools
- Exposed to upper management meetings & software collaboration techniques

Robotics Assistant, Northeastern Region Information Center (NERIC)

Jan 2014 – May 2014

NYS Department of Education, BOCES, Albany, NY

- Implemented educational modules using Aldebaran Robot
- Modules to be used in grade school STEM introduction coursework

Computer Science Tutor, Siena College, Loudonville, New York

Oct 2012 – May 2014

- Helped students with CS coursework by reinforcing course instructions

Student Researcher, Siena College, Loudonville, NY

Jun 2012 – Aug 2012

- Created text retrieval system in Java, utilizing UMLS and Lucene
- Worked with a team of four students and faculty
- Submitted results to the TREC 2012 Medical Track Sector

Skills

Programming Languages: Java, Python, Visual Basic, MIPS, XML, SQL, C, Bash Scripting

Extensive experience in Java and Python

Algorithms: *Knowledge and understanding of common and complex computer science algorithms*

Robotics: *Ability to use ROS and knowledge of current robotic research field*

Web Applications: *Experience creating web applications with HTML5, CSS, JavaScript, and PHP*

Hybrid App Development: *Development using PhoneGap, Android SDK, and xCode*

Relevant Accomplishments

Public Source Code for App & Developer Tools

May 2014 – Aug 2014

- Available at <https://github.com/atreynolds36>

Presenter, Text Retrieval Conference (TREC), Baltimore, MD

Nov 2012

- Attended TREC sponsored by NIST and presented text-retrieval system research

Author, Siena College Medical Information Retrieval System

Sept 2012 – Nov 2012

- Co-wrote paper on design and effectiveness of TREC medical system

Summer Research Symposium

Nov 2012

- Presented research in front of faculty and students at Siena College

2013 Siena College RoboShow

Dec 2013

- Displayed robot programmed in Python through the use of ROS
- Created a video to showcase the research progression throughout semester