

Andrew Carpenter

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Education

BS, Computer Science

Rochester Institute of Technology | Rochester, NY

- 3.60 GPA
- Major: Computer Science
- Minor: Language Science

Skills

Proficient in:

Java, C, Python

Working knowledge of:

HTML, CSS, Django

Experience with:

MIPS Assembly, JavaScript, Swift, SQLite

Familiar with version control systems:

Git, CVS, SVN

Comfortable in many development environments:

Windows, Linux, Mac OSX

Experience in basic software development principles:

Teamwork, documentation, and Agile management and design concepts

Projects

GetUp – Android app built to encourage physical activity

HistoryTextPy – Application used to guess the publication date of a novel, built with Python and NLTK

Grocer – Personal shopping assistant for iOS

Activities

Current

- RIT Student Government
Director of Operations - responsible for keeping all SG records and transitioning between administrations
- RIT Computer Science Department
Student Ambassador
- Orientation Assistant for RIT
Helping incoming freshman adjust to college life

Past

- Boy Scouts of America - Eagle Scout Award
- George Christiansen Leadership Award
- RIT Intramural Soccer team captain

Experience

Research Assistant

Sept. 2015 - Present

Rochester Institute of Technology – Language Science Department

Working with the linguistics department to study Autism Spectrum Disorder, building tools to parse and analyze data

Contributing to work on the Speech Processing and Language Annotation Tool (SPLAT), a command-line application built with Python and NLTK to analyze and annotate text, including:

Types, tokens, Yngve/Frazier scoring, frequency distributions, parse trees, content/function words, speaker markers, and more

Will continue to develop research and programming skills

Client Support Technician

Co-op; May 2015 – Aug. 2015

City of Rochester

Responsible for diagnosing and fixing problems throughout the City's 3000+ user network, addressing a variety of hardware, software, and technical infrastructure problems

Learned how end users actually interact with software in a real-world, enterprise environment

Experienced the many ways software is supported, and gained an understanding of some best and worst practices for the industry

Student Lab Instructor

Aug. 2014 – Aug. 2015

Rochester Institute of Technology – Computer Science Department

Responsible for assisting faculty in the delivery and grading of a programming based laboratory, usually for the university's introductory programming courses

Required to work in the department's Tutoring Center for several hours per week to assist anyone seeking help

Must be able to help and guide students who are new to computer science concepts and programming in general, giving help and support wherever needed

Abilities

Established leadership experience, enabling me to be both a leader and an effective team member and collaborator

Excellent communication skills, both in public speaking and technical settings

Goal-oriented, understanding how both short-term and long-term planning together lead to success

Enthusiastic and analytical, with a voracious appetite for learning; ready and willing to learn any needed skills and improve on current abilities

References - Available on request