

Andrew Carpenter

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Education

BS, Computer Science

Rochester Institute of Technology | Rochester, NY

- 3.50/4.00 GPA
- Major: Computer Science
- Minor: Language Science

Skills

Programming Languages:

Python, Java, C, HTML/CSS, JavaScript

Technologies and Frameworks:

Android, Angular 2, NLTK, ThreeJS

Version Control:

Git, SVN

Development Environments:

Windows, Linux, Mac OS

Skills and Methodologies:

Teamwork, documentation, and Agile
Scrum and management concepts

Projects

ValueWatch – Python application developed to educate myself about stocks and finance, focused on discovering companies for value investing. Uses Beautiful Soup for web scraping and matplotlib for data visualization.

GetUp – Android app built to encourage physical activity. My first exposure to the Android SDK and accelerometers

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

Grocer – Personal shopping assistant for iOS.

Activities

Current

- RIT Computer Science Department - Student Ambassador
- RIT Orientation Assistant - Helping incoming freshman adjust to college life

Past

- RIT Student Government Director of Operations - responsible for keeping all records and transitioning between administrations
- Boy Scouts of America - Eagle Scout Award
- George Christiansen Leadership Award

Experience

Software Engineer

Jan. 2016 - Present

Center for Integrated Manufacturing Studies - RIT

- Part of a small team developing an Augmented Reality application for wearable computing and mobile devices. Focused on manufacturing, this application provides work instructions to industrial workers.
- Involved in the complete process of application development, from project planning, to requirements gathering, and implementation of a custom server API and web application that utilizes it
- Implemented application on a broad range of Android hardware and form factors, from smart glasses to tablets

Client Support Technician

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 infrastructure problems
- Supported non-technical end users in a real-world, enterprise environment

Student Lab Instructor

Aug. 2014 – Aug. 2015

Rochester Institute of Technology – Computer Science Department

- Responsible for assisting faculty in the delivery of a programming based laboratory for the university's introductory computer science courses in Python and Java
- Worked in the department's Tutoring Center for several hours per week assisting students
- Graded student work, providing feedback to support learning and growth

Abilities

- 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