

Adam Christopher Cooke

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Education

Georgia Institute of Technology, Atlanta, GA

B. S. Computer Science (3.52/4.0 GPA)

Expected May 2016

- Emphasis in information internetworks and systems and architecture with a minor in leadership studies.
- Studied abroad in Barcelona, Spain for 11 weeks during the summer of 2013.

Relevant Coursework

Relevant courses enrolled in for Spring 2014: Data Structures and Algorithms, Computer Organization and Programming, Objects and Design, Principles of Management, Principles of Macroeconomics

Relevant completed courses: Introduction to Discrete Math, Introduction to Object Oriented Programming, Introduction to Computer Engineering, Computing for Engineers, Program Design for Engineers, User-Interface Design, Technical Communication, Calculus I & II, Calculus III for Computer Science, Physics II

Technical Summary

Languages: Intermediate knowledge of C and Java, as well as general familiarity of C#, Python (2.X), MATLAB, HTML, CSS, JavaScript

Concepts: User-Interface design, data structures, algorithms, technical writing, Git version control, .NET 4.0, WPF, LINQ, as well as familiarity with, Android, Swing, Django, Google Maps API, and pthreads.

Operating Systems: UNIX based systems (OSX, Linux distributions such as Ubuntu 12.04 LTS and Fedora 12), Microsoft Windows (XP, 7, 8)

Experience

Georgia Tech Research Institute, Atlanta, GA

May 2012 - Present

Co-Op Student

- Worked three fulltime semesters, as well as twenty hours per week during “off-semesters,” as a member of the Tactical Embedded Systems Branch.

Future Airborne Capability Environment (FACE) Common Control Station GUI (August 2013 – Present)

- Assist in software development for a GUI, developed with C# and WPF, for FACE, a technical standard commissioned by NAVAIR for avionics systems.
- Refactored the communications hub and implemented LINQ to parse received XML messages.
- Redesigned code for UI “widgets”, allowing for greater flexibility throughout the application.
- Adhere to a style-guide and prototype developed by the Human Systems Integration branch.

Integrated Blast Effects Sensor Suite (I-BESS) (May 2012 – May 2013)

- Assisted in software development for I-BESS, a project for the U.S. Army's Rapid Equipping Force and currently in use in Afghanistan.
- Worked on a prototype of an Android smart watch (a rooted Motorola MotoActv) for the second-generation soldier body unit. Translated proprietary data decompression algorithms from C to Java.
- Imaged single board computers using Ghost For Linux and completed setup of the operating system (Fedora 12).

- Performed system integration tests on new features, as well as tested final systems before shipment overseas.
- Developed an application for field service representatives in Visual C# that enables them to easily upload new software without a traditional FTP client, as well as an application to download the collect data.
- Implemented a simple logging system in C with the main code base that logs program activity and compresses the large log files.
- Created a Java Swing GUI that interfaced with the system to show its current status and graph the collected data. This program is used for demo purposes and has been shown to visitors such as General Peter Chiarelli.

Projects

iamadamcooke.com – Personal Portfolio and Blog (July 2013 – Present)

- Maintain a personal portfolio of my work as well as a blog about my travels.
- Acts as a digital resume, and freelance and social hub.
- Built with Django 1.5 and maintained on Ubuntu Server hosted through Amazon EC2.

\$aveTravels – LCC 3403 Technical Commination (May - July 2013)

- Lead a group of three that developed an android application for saving money and locating desirable ATMs while traveling abroad.
- Acted as project manager and graphic designer.
- Wrote technical documents such as proposals and usability reports.
- Distributed the finished application to cohort of 65 students as well as program leader for use in future programs.

MediaMasher – CS3750 User-Interface Design (May – July 2013)

- Worked with a group that designed and prototyped a Facebook application for creating interactive collages with friends.
- Collaborated on required documentation, which included requirements gathering, design alternatives, prototype and evaluation plan, as well as the final evaluation.

Volunteer Experience

Georgia Tech Track and Field and Cross Country – Volunteer Assistant (January 2012 – Present)

- Assist coaches in setting up drills, timing and recording workouts for twenty hours of practice time each week.
- Assist in the inventory of team apparel and equipment.
- Lead practice when coaches are out of town, as well as take athletes to meets when the squad is split on a given weekend.
- Motivate and help instruct student-athletes on a daily basis.

Awards

Godbold Family Foundation Scholarship Recipient (August 2011 – Present)

- As one of five recipients for the freshman class of 2011, I was awarded a 100% financial need scholarship.