Brett Cooley

Work Experience

Current, from July 2011

DynamX Consulting
Research Assistant/Systems Administrator

Assist President and Primary Investigator with Department of Defense funded modeling and simulation research projects. Also administer a public facing website which includes a Drupal installation, and provide technical support and training on both software and hardware issues.

Current, from September 2011

William & Mary Computer Science
Research Assistant

Conduct independent research on computer security topics under Dr. Haining Wang, focusing on expanding personal research on Android security. Currently the only undergraduate in the Computer Science department with a research assistantship.

Current, from January 2011

William & Mary Computer Science
Lab Consultant

Assist entry level Computer Science students with class projects and homework, focusing on reinforcing basic programming concepts and best practices. Also advise all students on departmental lab procedures and Unix related questions.

Skills & Tools

Python
Extensive experience with python and the standard library. Used for developing FTP clients, parsers, systems monitoring utilities, and graph manipulations.

Other Languages
Experience in Java, C, Assembly (MIPS), C++, and Bash. Areas of focus include Android applications, system level networking, large dataset processing, and multi-threading.

Tools (In order of preference)

Text Editing	Sublime Text, `nano`, `vim`
Typesetting	LaTeX
IDE	Sublime Text, Eclipse
Version Control	git, Subversion
Testing & Virtualization	VirtualBox

Research & Projects

Android Activity Spoofing
Ongoing research project dealing with tricking users into leaking their credentials to third parties via spoofing trusted activities.

Drupdate
Open-source Python scrip which automates updating Drupal installations. Currently under active development.

☎ | (303) 601-8090
✉ | brett@cooleyweb.org
🌐 | github.com/brcooley
📄 | stackoverflow.com/users/950912

Education

Current, from August 2009	**College of William & Mary** *Williamsburg, Virginia* Computer Science, Mathematics Dean's List Fall 2009, Spring 2010, 2011 Current Gpa: 3.72
August 2005 to May 2009	High School Diploma **Douglas County High School** *Castle Rock, Colorado* Gpa: 4.1 (Highest Honors)

Scholarships

Fall 2011

Jane Williams Mahoney Scholarship
Phi Beta Kappa, Alpha Chapter
Awarded for an excellent academic record and unmet financial need by Phi Beta Kappa.

Spring 2011

Monroe Scholarship
Roy R. Charles Center, William & Mary
Awarded for outstanding academic achievements. Included a summer research grand for an independent research project.

Contests & Extracurriculars

Fall 2011

International Collegiate Programming Contest
Association of Computing Machinery
Placed 1st on site, 2nd out of 159 teams regionally. Will be one of ~20 teams representing North America at the International Finals in May 2012.

Fall 2010

International Collegiate Programming Contest
Association of Computing Machinery
Placed 1st on site, 12th out of 157 teams regionally. Was the only sophomore member of three William & Mary teams.

Extracurricular Activities

- **President**, W&M ACM Chapter
- **Undersecretary of Academic Policy**, W&M Student Assembly

Languages

English	Native
Chinese	Conversational

Last update: November 20, 2011.