

# Joseph Randall Hunt

## *Curriculum Vitae*

### WORK EXPERIENCE

JANUARY 2011 – MAY 2011

#### Undergraduate Researcher

##### NASA AMES RESEARCH CENTER

Created an Automatic KML Tour Generator and KML Tour Editor using Django, Python, SQL, and Javascript. Media import tool pulls from several different sources and loads all data into a database. Project generated a whole new set of data products for the Maps team.

AUGUST 2010 – DECEMBER 2010

#### Academic Engagement and IT Governance

##### WESTERN CAROLINA UNIVERSITY

Resolved IT issues involving several topics from networking to software configuration. Also taught several workshops on web development.

JUNE 2010 – AUGUST 2010

#### Undergraduate Researcher

##### NASA LANGLEY RESEARCH CENTER

Worked on several tools for mass properties evaluation which culminated in the design a mass properties API. Also worked with an 8 person team to design and evaluate a series of tests on a flotation concept. If implemented project could save millions of dollars. Findings were published to NASA's main webpage, AIAA newsletter, and several other notable websites.

AUGUST 2009 – JUNE 2010

#### Lab Admin and Teaching Assistant

##### WESTERN CAROLINA UNIVERSITY

Assisted professor and students in an undergraduate computer science course. Maintained the computer science lab computers running Linux, Windows, and OSX with several VMs. Created scripts to automatically update all computers and all VMs. Managed backups leading to a 75% decrease in downtime.

### TECHNICAL SKILLS

#### LANGUAGES: Professional:

Java, C, Python, (My,Postgre)SQL,  
HTML/CSS/Javascript, XML

#### Familiar:

Scheme (Lisp), PHP, C++  
Perl, Prolog, Objective-C

**FRAMEWORKS:** Cocoa, jQuery, Wordpress, Django

**TOOLS:** Eclipse, Mathematica, Labview,  
XCode, ViM, ant, jUnit

**MATHEMATICS:** Formal Logic and Proof Techniques,  
Linear Algebra, Calculus,  
Statistics, Discrete Structures

☎ +1(650) 690-0657  
www www.jrhunt.org  
✉ randall.hunt@gmail.com



### EDUCATION

MAY 2012 B.S. in COMPUTER SCIENCE AND MATH  
**Western Carolina University**  
Cullowhee, NC

JUNE 2009 High School  
**Punahou Academy**  
Honolulu, Hawaii

SUMMER 2007 Certificate of Proficiency in French  
**Université Catholique De L'Ouest**  
Angers, France

### LANGUAGES

FRENCH Proficient  
GERMAN Conversational  
RUSSIAN Basic  
SPANISH Learner

### ACTIVITIES AND SOCIETIES

IEEE Member  
Student ACM Chapter  
Open-Source Contributor  
Active on StackOverflow  
Passionate about Robotics[1] [2]  
Rubik's Cubes  
Love to Surf and Swim

### COURSEWORK

Multiuser Chat System in Java  
Address Book with RMI in Java  
Set Associative Cache Simulator in Java  
Tokenizer and Parser in C  
Paint Clone in Java  
Email Client in Java  
Wireless Sensor Grapher in TinyC+Java  
TCP Implementation in TinyC  
Adventure Game in Prolog

### HONORS

Academic Technology Advisory Committee  
AP Scholar's Award  
Several Presentations at NASA  
Deans List  
Honors College