

EDUCATION

The University of North Carolina at Chapel Hill

Expected May 2016

Bachelors of Arts in Computer Science, GPA: 3.38

Colonel Robinson Scholar: full-ride merit scholarship awarded to select students in the sciences

School Year Abroad, Zaragoza, Spain

August 2010 - May 2011

Earned Spain's Diploma of Spanish as a Foreign Language at the highest level of fluency (C2)

TECHNICAL SKILLS

- Developed applications in **Java** for internship work, class projects, and Carolina Glass Explorers
- Analyzed scientific data with **Python** for summer bioinformatics research project and coursework
- Created dynamic web pages with **HTML**, **CSS**, and **JavaScript** in internship and course projects
- Experience with basic **C** and **SQL** gained from coursework and self-teaching

ENGINEERING EXPERIENCE

Deutsche Bank Global Technology, Engineer Intern

Research Triangle Park, June – Aug. 2015

- Designed and developed Core Services software platform and applications used throughout the bank using **Java**, incorporating REST services, caching, Spring Boot, and JMS messaging queues
- Researched, designed, and implemented user interface for proposed interviewing web application
- Collaborated in an Agile framework, using **Git** for version control and **Maven** for build automation

RESEARCH EXPERIENCE

HHMI Future Scientists Program, Research Fellow

UNC Chapel Hill, June – August 2014

- Implemented an imaging analysis workflow in **Python** utilizing machine learning for classification

LEADERSHIP EXPERIENCE

Carolina Glass Explorers, Lead Developer

August 2014 – Present

- Collaborated with Development Team to develop software in **Java** for Android and web
- Crafted project plan and led meetings, provided strategic and technical input to executive board

Design For America – UNC, Technology Chair

August 2014 - Present

- Created chapter web page, advised on technological tools for project development, and provided technical and overall input to the executive board

PROJECTS AND ACTIVITIES

Personal website developed using **HTML**, **CSS** as well as the **Bootstrap** framework for CSS

Android application for event handling and discovery in the UNC Residence Hall Association

Web application interface for Deutsche Bank interviewing, hiring, and candidate discovery

ACM International Collegiate Programming Contest, Fall 2014 and 2015

- Solved programming problems in a small team by applying essential algorithms in **Java**