

# Mark Hensel

MARK @ MARKHENSEL.NET

## 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)

## INTERNSHIP EXPERIENCE

---

### Deutsche Bank Global Technology, Software Engineer

Research Triangle Park, June – August 2015

- Designed and developed Core Services web applications in **Java** used globally throughout the bank for file management, incorporating **REST** web services, **XML**, **Spring Boot**, **ehCache**, and **JMS** messaging queues
- Researched, designed, and coded **front-end interface** for proposed interviewing web application, which was selected as the top proposal by a committee of executives and managers from across technical domains
- Collaborated in an Agile framework, using **Git** for version control and **Maven** for build automation

## RESEARCH EXPERIENCE

---

### HHMI Future Scientists Program, Research Fellow

UNC Dept. of Biology, June – August 2014

- Implemented an imaging analysis workflow in **Python** utilizing **machine learning** techniques for classification
- Coordinated with faculty in departments of Computer Science and Biology in a bioinformatics research team

## LEADERSHIP EXPERIENCE

---

### Carolina Emerging Technologies, Lead Developer

August 2014 – Present

- Collaborate with Development Team to develop an **Android** application in **Java** and build an accompanying **web application** with **Polymer** front-end framework and Node.js server and SQL database hosted via AWS
- Direct project goals and logistics, lead meetings, contribute strategic and technical input to executive board

### Design For America – UNC, Technology Chair

August 2014 – Present

- Design, deliver, and maintain chapter web page, and advise on technological tools for project development
- Lead workshops and chapter meetings, and provide technical and strategic input to the executive board

## PROJECTS AND ACTIVITIES

---

### Android and Web Application - Carolina Emerging Technologies

Spring and Fall 2015

- Constructed new application to facilitate event organization and discovery in UNC Residence Hall Association

### Web Application Interface - Deutsche Bank

Summer 2015

- Teamed with four interns to form a tool for Deutsche Bank RTP interviewing, hiring, and candidate discovery

### ACM International Collegiate Programming Contest

Fall 2014 and 2015

- Solved programming challenges in a small team by applying data structures and algorithms in **Java**

### Personal Website - markhensel.net

Summer 2015

## TECHNICAL SKILLS

---

- Developed applications in **Java** for internship projects, class projects, and Carolina Emerging Technologies
- 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 **jQuery**, **C**, **SQL**, and **Wordpress** from internship work, coursework and self-teaching
- Familiar with **Linux**, **SCP**, and **IBM WebSphere** from development at Deutsche Bank