

Meredith Duflock

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EDUCATION

Georgetown University, Washington, DC

Present - May 2019

Bachelor of Arts in Computer Science, History; Minor in Psychology

- Sophomore year GPA: 3.87/4.00 (overall GPA: 3.66/4.00); Dean's List; History Honors Society

TECH EXPERIENCE

Technology Innovation Intern at LifeMoves

June 2016 - August 2016

- Investigated various third-party applications to maximize the use of Salesforce, assessed usefulness of their integration and presented results to executives
- Streamlined LifeMoves' Salesforce instance with a focus on efficiency and an intuitive, simple UI

Google Trusted Tester

August 2016 - Current

- Discover and report bugs on apps like Google Maps, Duo, Allo, & Supersonic, with suggestions for fixes included
- Guide application designs towards efficient, straightforward UI and UX

PROJECTS AND SKILLS

- Fluency in C++, Python, Java, HTML and CSS
- Proficiency in object oriented design & programming, class composition & inheritance
- Mastery of templates, pointers, dynamic memory allocation, iterators, virtual functions, polymorphisms, abstractions, loops, searching and sorting
- Basic experience with Selenium, Vagrant
- Regularly use GitHub, version control
- PostgreSQL tournament creation and implementation
- Personal website creation, meredithduflock.me
- Implementation of Diffie-Helman, private key crypto, other security algorithms; AR drone hacking

RELEVANT COURSEWORK

Intro to Network Security - familiarity with essential security algorithms and practices

- Internet layers, public/private key crypto, hashes, PKI, TLS/SSL, TCP/IP, worms, DOS, DNS, routing, VPN, spam, phishing, firewalls, detection systems (IDS), web security and cloud security

Intro to Relational Databases – basic database use and good knowledge of SQL

- Tables, queries, aggregations, primary keys, joins, SQL (select, insert, drop, create, etc.); Python DB-API; normalized table design; PostgreSQL usage and documentation (subqueries, etc)

Intro to HTML and CSS – website design, interactions between HTML and CSS, and popular web tools

- Boxifying, DOM trees, Javascript modals, DevTools, grid-based designs, responsive web pages, overflows, CSS resetting/normalization, semantic tags, Bootstrap features & documentation, minification, containers, divs, ids

Android Development for Beginners (enrolled) – basic app development

- User input, multiple app screens, networking, data storage, Android Studio

Probability and Statistics, Calculus I, Computer Science I & II (C++ and best practices), Intro to Java, Programming Foundations with Python

OTHER EXPERIENCE

Georgetown Policy Debate

November 2015 - Current

- Superb oral and written communication skills, excellent at decision-making and self-motivated research
- Able to remain poised, confident, and collected in even the most stressful of circumstances; can resolve problems quickly while under pressure and work effectively in a team environment

Notre Dame Speech and Debate

August 2011 - May 2015

- Taught and practiced public speaking and research skills, doubling the size of the team in my two years as captain; led the team to many victories and achieved great personal success, placing first in multiple tournaments

OTHER SKILLS

- Second degree black belt and former Instructor Trainee
- Conversationally fluent in Spanish
- Proficient in Excel, Word, Powerpoint
- Hobbies include: crocheting, playing Pokemon Go & Clash Royale, playing board games, volunteering