

GABRIEL TIMOTEI

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EDUCATION

University of North Carolina at Chapel Hill

May 2019

Bachelor of Science in Computer Science

TECHNICAL SUMMARY

- **Programming Languages:** Java, Kotlin, XML, HTML/CSS, JavaScript, PHP, MySQL, Bash, C/C++, Python
- **Operating Systems:** Unix/Linux, macOS, Windows, Android
- **Technologies:** React, React Native, Electron, jQuery, Google Firebase, Reverse Engineering, Version Control (Git)
- **Android Proficiencies:** Kotlin, JUnit, Espresso, Custom Lint Rules, Reactive Store
- **Certifications:** CSSE Mobile Security, Google Associate Android Developer, AWS Solutions Architect (in progress)
- **Linguistics:** Fluent in English and Spanish, working proficiency in French

EXPERIENCE

Senior Associate Android Developer

August 2019 - Current

Capital One Financial Corporation | *McLean, VA*

- Architecting one of the largest app features, allowing users to add external payment/transfer accounts, as the sole Android developer (projected to save over \$50 million per year in call center costs)
- Aiding in the creation of an Android platform architecture following Redux principles, and made significant contributions to a cross-platform design repository
- Launched a department-wide initiative to improve documentation, rewrite outdated code, and refactor our Android codebase to Kotlin
- Joined the Android mergers group, totaling 30 out of 200 Android developers, which is tasked with approving code to be merged into the codebase

Undergraduate Teaching Assistant

August 2018 – December 2018

UNC Department of Computer Science | *Chapel Hill, NC*

- Created teaching materials and homework assignments for over 300 students
- Tutored students on all areas of web development during bi-weekly office hours
- Created the back end of a game engine to teach how to style and edit websites by connecting the front end to engine events

Technology Development Program Intern – Risk and Finance IT

May 2018 – July 2018

Credit Suisse Group AG | *Morrisville, NC*

- Built a proof of concept for a Big Data migration tool, to determine risk for client transactions, using the Skool open-source library
- Updated the design and functionality of a finance portal for clients using standard web development languages and QlikSense
- Analyzed process automation data, made visualizations of the data, and identified numerous possible improvements in our Dev Ops process automation systems as part of a 5-person intern team

Software Engineering Intern

September 2017 – May 2018

Zerpoint Dynamics LLC | *Chapel Hill, NC*

- Assembled Go and Python scripts to analyze over 100,000 malware samples and extrapolate product development data
- Designed and developed multiple desktop application components for Doppler, a malware forensics platform and program disassembly framework
- Constructed tools to identify and unpack a specific subset of malware, known as Packed Malware, and create data sets based on the results of these tools

Technology Development Program Intern, Security Consultant

May 2017 – August 2017

Optum – United Health Group | *Raleigh, NC*

- Ensured that all 15 intern projects were immediately able to be deployed with minimal security risk to the company
- Engineered an interface that combined over 10 tools and APIs into an easy-to-use website for the Cyber Defense Team
- Scouted all assets for potential security vulnerabilities and informed preventive security actions on the assets