

# Nicolas Capparelli

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in linkedin.com/in/NicolasCapparelli | 🇺🇸 US Citizen | 🗣️ Bilingual (English & Spanish)

## Education

### Kennesaw State University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE  
GPA: 3.62

Kennesaw, GA

August 2018 – Present

**Coursework:** Programming I, Programming II, Intro to Software Engineering, Intro to Database Systems, Calculus I

## Skills, Languages, & Frameworks

**Programming Languages:** Python, Java, JavaScript, Swift, Kotlin, C#

**Technologies & Frameworks:** Git, Bitbucket, Github, JIRA, NodeJS, ReactJS, Android, IOS, MongoDB, Elastic, Azure

**Skills:** Software Architecture, UI/UX Design, Unit Testing, Web Development, Mobile App Development

## Experience

### Motorola Solutions, Inc

SOFTWARE ENGINEERING INTERN

Sunrise, FL

May 2019 – August 2019

- Created fault alerts on radios that caught over 50 critical bugs and failures before reaching production
- Developed Python scripts to automate the transfer of logs and statistics between 3 internal company databases
- Worked across 4 teams to design and implement an error logging database using Azure Cloud and Elasticsearch
- Created and executed over 60 unit tests to detect flaws in proprietary software modules

### Independent Software Contractor

SOFTWARE DEVELOPER

John's Creek, GA

November 2016 – May 2019

- Created and utilized an incremental project management model to maintain constant contact with clients and their needs
- Designed and implemented a system to synchronize online and offline user data across multiple devices
- Designed and implemented a central hub for commanding and monitoring social media advertising bots
- Implemented a multi-tier recurring payment system using Stripe API

### Fulton County Schools IT Department

NETWORK ENGINEER SHADOW

Atlanta, GA

May 2017 – July 2017

- Worked alongside professional network engineers to set up and maintain physical network servers across 15 schools
- Monitored and recorded network performance across all Fulton schools using enterprise IT Management Software (Solarwinds)
- Participated in large scale deployment of factory images for over 1,000 school devices

## Projects

### Instructor Toolkit

CLOUD BASED ADMINISTRATION & MANAGEMENT SERVICE AIMING TO SUPPORT OVER 500 BASIC LIFE SUPPORT TRAINING CENTERS AND THEIR INSTRUCTORS (WORK IN PROGRESS)

Swift, React, Node, MongoDB, Stripe

### Project Valery

A PERSONAL DESKTOP VOICE ASSISTANT CAPABLE OF CONTROLLING THE COMPUTER, SEARCHING THE WEB, AND OPENING FILES IN THEIR RESPECTIVE APPLICATIONS

Python, speech\_recognition library

### NC9v2

A CHAT BOT ON THE DISCORD PLATFORM USED FOR RETRIEVING FINANCIAL DATA THROUGH THE IEX STOCK EXCHANGE API. AT ITS PEAK, THIS BOT SERVED OVER 1,000 USERS ACROSS 5 DIFFERENT COMMUNITIES

Python, Discord Web API, IEX API

### RemindMe

A LIGHTWEIGHT PYTHON MODULE TO CREATE AND NOTIFY USERS OF REMINDERS USING ASYNCHRONOUS FUNCTIONS

Python

### Clip History

A SIMPLE AND LIGHTWEIGHT CLIPBOARD HISTORY TOOL FOR WINDOWS

C#, WPF

## Awards & Interests

September 2019 **Hackathon Winner (1st place)**, Placed 1st on Equifax's security challenge by applying knowledge of multiprocessing & multithreading in Python and C++ to optimize a password cracking algorithm.  
June 2019 **Hispanic Scholarship Fund Scholar**, "One of approximately 10,000 of the best and brightest Hispanic students in the country who are eligible to receive HSF's Scholar Support Services"

Equifax | Kennesaw State University  
Hispanic Scholarship Fund

**Interests:** Finance, Investing, Credit Cards, PC Building, PC Gaming, Table Tennis, Soccer, Football