

# Brandon Cooke

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## EDUCATION

### GEORGIA TECH

#### MS IN COMPUTER SCIENCE

Expected Dec 2020 | Atlanta, GA

### KENNESAW STATE

#### BS IN COMPUTER SCIENCE

May 2014 | Kennesaw, GA

Cum. GPA: 3.44 / 4.0

### SEQUOYAH HIGH SCHOOL

Grad. May 2009 | Canton, GA

## LINKS

Github:// [BrandonCookeDev](#)

LinkedIn:// [BrandonCookeDev](#)

## COURSEWORK

### GRADUATE

Advance Operating Systems

Intro to Info Security

Software Development Process

Advanced Data Communication

Advanced Network Security

Knowledge Based AI

### UNDERGRADUATE

Concepts of Programming Languages

Programming in Linux and C

Computer Architecture

Operating Systems

Distributed Systems

## SKILLS

### PROGRAMMING

Over 5000 lines:

NodeJS • Python • C# • Java • SQL

JavaScript • PowerShell • Bash

Over 1000 lines:

C • ReactJS • AngularJS • JQuery

Batch • Hadoop MapReduce

AWS:

Lambda • DynamoDB • API Gateway

Cloudformation • EMR • S3

Elastic Beanstalk • Redis • Kinesis

Familiar:

PHP • C++ • Android • VueJS

Django • VBScript • HIVE

Other:

Docker • MEAN • Firebase • git/svn

Wireshark • Fiddler • JMeter

Maven • Mininet SDN • OpenCV

WCF.NET • ASMX.NET

Spring • Flask • Jersey • Express

## EXPERIENCE

### ENGAGE.CX | SENIOR DEVELOPER

February 2017 - Present | Atlanta, Georgia

- Created an analytics aggregating program using AWS EMR, Athena, Lambda, Hadoop, HIVE, Sqoop, and NodeJS saving roughly 1000% in ETL costs.
- Crafted a sophisticated Wifi-Authentication Splash screen that aggregates user data for personal identification. Created with Node, DynamoDB, and S3.
- Overhauled a Presence Detecting component of CX's platform using Node, S3, Lambda, Redis, DynamoDB, Kinesis, and Elastic Beanstalk.
- Created a location identifying, loyalty tracking Cisco Webex chatbot leveraging NodeJS with our core software platform.
- Used Node and MySQL and AWS Cloudformation to maximize the efficiency of CX's deployment strategy.
- Created multiple Responsys integration scripts using NodeJS and EC2.
- Created data analytics POCs using AWS EMR with MapReduce and HIVE.

### AT&T | SPECIALIST APPLICATIONS DEVELOPER

June 2014 - February 2017 | Atlanta, Georgia

- Acted as Lead Developer for R3's DOME .NET web service, a tool used to provide and display data for multiple departments inside AT&T. Implemented C#, MSSQL, and Kapow Screen Scraping.
- Enhanced R3's PVC Disconnect tool using NodeJS and MongoDB.
- Utilized JavaScript to enhance PAL-ABS automated Router config generator.
- Enhanced AT&T's key POS app, OPUS, using Java, Maven, and Struts MVC.
- Created an Angular, Jersey, MySQL webapp that enabled Flex Force leadership to track employee individual contributions.
- Participated in CELL classes to learn Big Data, SDN, and AngularJS.
- Acted as a mentor to a group of 4 interns during Summer 2016.
- Ideated and pitched "It Can Wait: Incentivised Program" to a Senior Executive.

### TRAVELPORT | SOFTWARE DEVELOPER INTERN

May 2013 - May 2014 | Atlanta, Georgia

- Constructed automation script to enhance Travelport's SCM process deploy and fallback multiple applications concurrently using MS Powershell, JavaScript, VBScript, and BATCH.
- Enabled critical data communication between Enterprise Architecture and Sparx System Enterprise Architecture app using C# and WCF.
- Enhanced Travelport's Universal Desktop with plugins using C#, WPF, and MVVM.

## PROJECTS

### SCHOOL AND PERSONAL | Atlanta, Georgia

- Lead a development team employing Docker, Docker-Compose, Python, Flask, MySQL, and Bootstrap to construct "CorkBoardIt!", a small, Pinterest type fullstack website.
- Created **smashgg.js**, a comprehensive NodeJS SDK for **Smash.GG's** public API.
- Used Python, AngularJS, and MongoDB to create an automated tournament-participant ranking app, **NotGarPR**.
- Used Python and OpenCV to construct a pattern matching AI program.
- Used C to create OS components such as a CPU scheduler and multilevel cache.
- Aided in the coding and creation of **Tastes Like Chicken**, a lightweight restaurant discovery and rating application using Java for Android.