

# Alexander Powell

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## EDUCATION

*Master of Science*, The College of William & Mary, Williamsburg, Virginia May 2017  
Degree: Computer Science, Research Area: SIMD Vectorization of Graph Algorithms

*Bachelor of Science*, The College of William & Mary, Williamsburg, Virginia May 2016  
Major: Applied Mathematics, Minor: Computer Science

## COMPUTER SKILLS

*Programming*: Java, Python, Javascript, C/C++, C#, LaTeX, SQL, R, Assembly (MIPS and x86)

*Frameworks, Platforms, and Environments*: Node, React, Flask, Android Studio, MATLAB, Microsoft .NET/SQL Server, Firebase

*Operating Systems*: Windows, OS X, Unix/Linux, Android

*GitHub Profile*: [github.com/alexanderjpowell](https://github.com/alexanderjpowell)

## EXPERIENCE

*Android Developer*, Meter Image Capturing, Las Vegas, NV, September 2018 - present

- Built and maintain both the Android component and the React web application of the MiC platform
- MiC uses the Google Vision API to provide text recognition for casinos to perform faster slot machine monitoring and recording
- Assist in planning and design stages for new features of the application
- Available on Play Store: [play.google.com/store/apps/details?id=com.slotmachine.ocr.mic](https://play.google.com/store/apps/details?id=com.slotmachine.ocr.mic)

*Software Developer*, Customer Value Partners, Fairfax, VA, August 2017 - September 2018

- Worked with government clients across multiple agencies to help solve their IT needs
- Coded mostly in Java (Spring framework) for backend web development and other automated tasks.
- Worked with multiple third party APIs (REST and SOAP)

*Software Developer*, GuideStar, Williamsburg, VA, January 2015 - May 2017

- Collaborated with development team using Microsoft's .NET framework
- Built and maintained applications for internal use and aided in site functionality
- Coded in C# and assisted in maintenance of large-scale SQL databases using SSIS and other ETL strategies

*Client Data Analyst Intern*, Royall & Company, Richmond, VA, Winter 2014 - 2015

- I participated in a winter break internship with a marketing consultant's IT department
- Helped other analysts investigate and manipulate raw data for delivery to clients
- Tasks involved querying databases in both SQL and MongoDB, coding in Javascript, and use of Microsoft Excel and Access

*Academic Tutor*, Tribe Athletics at William & Mary, Williamsburg, VA, September 2014 - May 2017

- Tutored student athletes in a variety of subjects including programming courses, calculus, linear algebra, and others