**Brandon Davis**

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**Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_**

**University of North Carolina at Chapel Hill** May 2017

* Bachelor of Science in Computer Science, Minor in Mathematics

**Leadership Experience**

* UNC Computer Science Club Co-President 2016 – 2017
* HackNC Director of Development – built website and registration system 2016 – 2017

**Relevant Coursework**

* Software Design (Java), Files and Databases, Advanced Web Development, Algorithms and Analysis, Computer Graphics, Digital Logic (Architecture), Operating Systems, Offensive Security
* Calculus 1 – 3, Discrete Mathematics, Linear Algebra

**Work Experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_**

**Capital One** (McLean, VA) July 2017 – Present

*Associate Software Engineer*

* Member of a team building the next generation of banking infrastructure to leverage AWS.
* Help design real-time messaging infrastructure deployment with Apache Kafka and ECS.
* Build and maintain automated CI/CD pipelines for golang applications using Docker and Jenkins.

**Cisco Systems, Inc** (Cary, NC) May – August 2016

*Software Engineer, Intern*

* Developed internal python API to enable my team to communicate with Cisco’s bug tracking system.
* Created python app to catalog and generate checksums for ~100TB of router firmware for consumers.
* Built command-line utility to maintain metadata caches, enabling faster lookup times for our applications.
* Designed BASH backup scripts for my team’s production database, ensuring recoverability of our data.

**SQL Sentry, LLC** (Charlotte, NC) June 2015 – March 2016

*QA Specialist, Intern*

* Created robust test suite in Ranorex for automating nightly production web application testing, enabling faster detection of problems in our web services. Included daily email reports to project team members.
* Developed internal tools in C# to extend MS Team Foundation Server task management, particularly to catalog new test cases and include them in future regression tests.

**UNC Information Technology Services** (Chapel Hill, NC) November 2014 – May 2015

*Walk-in Technician*

* Diagnosed and repaired software issues, and recovered and backed up client data.
* Communicated 1:1 with students and faculty to troubleshoot technology and resolve client issues.

**Projects\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_**

**KeePass Tusk** (Vue.js/SASS/Webpack/WebExtensions API) March 2017 – Present

* Designed UI in Vue.js to provide better KeePass experience for average and non-technical users.
* Discovered vulnerabilities with existing community projects affecting ~80K users and published findings, resulting in a fix of one extension and community abandonment of another.
* Interact with community of 3.6K users through issue tracker to debug problems and add new features.

**HackNC 2016 Website + Registration** (Python/Flask/HTML/JavaScript/PostgreSQL) June – October 2016

* Lead a team to design and build hacknc.com – the largest advertising medium for the event
* Designed an accompanying registration system from scratch to process roughly 1500 applications
* Deployed and maintained day-of systems like the mentor connection queue and judging system

**Skills \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Language** (Python)|(Java(Script)?)|(Go)|(HTML)|C(S{2}|\+{2}|#)?|(T?SQL)|(BA)?SH

**Other Technologies** Linux, Git, Docker, AWS, Terraform, Jenkins, SQL (Postgres/MSSQL), Webpack, MongoDB