

# Daniel J. Berkowitz

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## EDUCATION

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**University of Michigan, Ann Arbor, MI**

August 2014 – present

Bachelor of Science in Computer Science with minor in Mathematics, *anticipated May 2018*

*Relevant Coursework:* Advanced Data Structures and Algorithms, Database Management Systems, Web-based Information Systems, Discrete Mathematics, Computer Organization, Computer Security, Elementary Programming Concepts

*Activities:* Research Assistant at the University of Michigan Hospital, Student Astronomical Society (member)

*Honors:* Commendation for computer science project (recipient); Building Contractors Assoc. Scholarship (recipient)

## SKILLS & CERTIFICATIONS

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*Certifications:* Juniper Networks Certified Associate (August 2017 – Present)

*Programming Languages:* C++, Python, Java, HTML/CSS, JavaScript, Visual Basic, VB.NET, SQL, PHP

*Tools & Operating Systems:* Linux, Windows, Docker, gdb, bash scripting, test automation, Virtual Box/VMWare, Salesforce, git/SVN/TFS, Microsoft Visual Source Safe, RStudio, C# (Monogame, XNA), Unity

*Software Development Processes:* Requirements Definition, Test Driven Development, Simulations, Software Development Lifecycle, Quality Assurance, Stakeholder Management

*Languages:* Spanish (proficient)

*Interests:* Second degree black belt in Tang Soo Do; First degree black belt in Tae Kwon Do

## PROFESSIONAL EXPERIENCE

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Juniper Networks, Sunnyvale, CA

Summer 2017

### Technical Marketing Engineer Intern

- Created Docker Container Monitoring Tool in Python as a JunOS operational command for the purpose of providing network visibility into containerized workloads attached to the network and mitigate failures
- Drafted and published network configuration guides for the creation of Juniper Extension Toolkit applications using the Docker Container Monitoring Tool
- Presented Docker Container Monitoring Tool at company-wide tech summit to over 5000 Juniper executives and employees

National Freight Industries, Cherry Hill, NJ

Summer 2016

### Software Developer Intern

- Developed proprietary solutions to increase efficiency and automate tasks in the integration department
- Designed Web-based ASP.NET Internet applications linked to large-scale firm-wide SQL databases
- Analyzed, reviewed, and designed SQL stored procedures and other code for feedback

Healthcare Recovery Solutions, Philadelphia, PA

May 2015 – May 2016

### Technical Marketing Associate Intern

- Conceived, researched, designed, and implemented a social media market development plan
- Utilized Hootsuite to implement marketing and customer acquisition strategy through company's website and various social media
- Earned HIPAA certification and demonstrated healthcare data compliance

Booksmart Technologies, Philadelphia, PA

Summer 2014

### Software Developer Intern

- Developed, designed, and tested Booksmart's web application in Laravel (PHP) and mobile iOS application in Swift as well as user interface using JavaScript (Graphs.js) for social media metrics

## RELEVANT PROJECTS

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### MobileMix Audio Plugin, C++

- Collaborated with a small team to create a cross-platform and mobile ready Digital Audio Workstation plugin including a compressor, gain, reverb, distort, and equalizer
- Utilized JUCE framework to deploy code and design UI

### Instagram Clone, HTML/CSS/React.js/SQL

- Created a fully responsive Instagram clone that supports both server-side and client-side dynamic pages, infinite scrolling, and user registration
- Implemented a complete REST API to return post and comment content, create new comments and likes, and delete content
- Drafted test scripts to deploy server and check code styling