

CAMERON PATRICK DART

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EDUCATION

BSA. Mathematics and Computer Science, *University of Illinois at Urbana-Champaign*

December 2017

GPA 3.12/4.0

Related Coursework: OOP | Data Structures | Discrete Structures | Calculus I, II, and III | Linear Algebra | Probability Theory | Fundamental Mathematics

SKILLS

Coding: *Proficient:* Java, C++, JavaScript, Python, HTML5/CSS3

Novice: Bash, SQL, PHP, LaTeX, Ruby

Software: *Proficient:* UNIX/Linux, Eclipse, Git

Novice: Xcode, GSN3, Android Studio

TECHNICAL EXPERIENCE

Tesla Motors, *Software Engineering Intern*, Fremont, CA

September - January 2016

- More information available upon request

MasterCard, *Software Engineering Intern*, St. Louis, MO

May - August 2015

- Led the development of MEAN stack web application estimated to save \$250,000 a year
- Developed interactive data visualization using D3JS collaboratively with a UI designer
- Optimized time and space complexity in Python error log scanning script

University of Illinois, *Illinois Geometry Lab Researcher*, Urbana, IL

January 2016 - Present

- Built games that provided visual intuition on Linear Algebra topics in D3JS before a formal introduction
- Managed group of 3 undergrads and gave weekly presentations to team of 3 graduates and 2 professors
- Will be tested in Spring 2016 to a Linear Algebra class with 400+ students

University of Illinois, *Networking and Distributed Systems Security Research*, Urbana, IL

May - August 2015

- Simulated topologies with Cisco router images and small OSPF networks using GNS3
- Configured different combinations of broadcast, non broadcast, point to point, and point to multipoint networks
- Documented and analyzed common Cisco networking protocols

National Center for Supercomputing Applications, *Software Developer*, Urbana, IL

January - May 2015

- Wrote bash script to install a suite of Atlassian products on a virtual machine for use by 50+ researchers
- Securely modified the VM using common computer security techniques
- Worked in a cross collaboration environment with full time researchers

PROJECTS

Engineering Employment EXPO, *Full Stack Web Coordinator*, Champaign, IL

October 2014 - September 2015

- Designed and developed landing page and student planner
- Added a RESTful endpoints with OAuth Authentication for both Android and iOS devices using PHP
- Provided professional technical support to companies attending

Hack Georgia Tech, *2nd Place*, Atlanta, GE

September 19-21 2014

- Won \$5,000
- Patent pending for an Android library that heat maps user input
- Gained valuable hands-on experience from software development professionals in a competitive setting

LEADERSHIP

CS 196, *Course Assistant*, Champaign, IL

January - May 2015

- Debugged code for students in Swift, Java (Android), and Python
- Gave lecture on Model View Controller design pattern to 200+ students
- Developed innovative ideas for teaching common programming topic