**Patrick Myron**

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www.github.com/patmyron

**Education University of Notre Dame** Notre Dame, IN

Bachelor of Science in Computer Science May 2017

**EXPERIENCE Greenlee Textron**  Rockford, IL

*Software Engineering Intern* Jun - Aug 2015

* Solely developed an Android application to retrieve real-time physical data from electrical cable pulls via Bluetooth and share the data via email
* Expanded the embedded C codebase to control two new products, an electric pipe bender and an automated rope spooler

**Projects Dribblr**

* Android application to organize pickup sports games
* Google Maps, Facebook, and Parse integration
* iOS version in development

**High School Sports Statistic Website**

* Scraped data from local website using Jsoup API
* Analyzed data in Java and wrote statistics to HTML files
* Takes multiple inputs and uses JavaScript to display desired statistics
* 10,000+ page views

**Slime Volleyball Game**

* Collaborative final project for Fundamentals of Computing course
* Written in C utilizing X11 graphics
* Multiplayer game reading several simultaneous keyboard inputs

**Research Department of Computer Science and Engineering** Notre Dame, IN

*Undergraduate Researcher*Aug - Dec 2015

* Worked in a team to design and prototype a solar-powered device to prevent predators from attacking livestock, especially in rural areas in Africa
* Programmed Arduino with connected sensors to detect predators during the nighttime and activate lights and speakers to ward off the predator

*Undergraduate Researcher*Jan - June 2014

* Conducted computational experiments to detect influence attacks on Reddit
* Integrated the code into an existing Chrome extension, Reddit Enhancement Suite
* Determined database schema and implemented initial table using MySQL

**Skills** Significant experience: Java, C++, Android, HTML, C

Moderate experience: Unix, JavaScript, CSS, iOS, MySQL

**Activities Notre Dame Computer Club, Vice President** 2013–

**Notre Dame Four Horsemen Society, IrishHacks Chair** 2015–

* Organized both hackathons in conjunction with the sponsors and facility managers

**Awards Notre Dame Hackathon – Prize winner, selected by AT&T** 2015

**HackIllinois – Prize winner, selected by Saurik**  2015

**ACM ICPC Regionals – Top 10 finish out of 140+ teams** 2014