

# DAVID HUGH HARRIS III

Current Address: 505 S Busey Ave # 404, Champaign, IL 61801 ▪ (Cell) 847.767.5593 ▪ [dhharri2@illinois.edu](mailto:dhharri2@illinois.edu)

Permanent Address: 25132 N Iroquois Ct, Barrington, IL 60010 ▪ (Website) [dharris.github.io](http://dharris.github.io)

## EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN  
BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND MATHEMATICS  
MINOR IN BUSINESS

Class of 2018

## EXPERIENCE

### FACEBOOK, INC.

May 2017 - August 2017

#### *Production Engineer Intern*

Menlo Park, CA

- Wrote a sophisticated CLI tool using the latest features of Python 3 and a highly extensible modular design
- 100% unit test coverage and consistently maintained a “exceptionally high” quality of work
- Implemented a logging functionality that writes to two different kinds of databases with an elegant GUI
- Produced over 10,000 lines of production code—“more output than any other intern” on my team.
- Worked alongside my colleagues to develop features custom tailored to their uses cases for the CLI tool
- Performed exceptionally well while working in a rigorous and fast-paced development environment

### THOMAS ENGINEERING, INC.

May 2016 - August 2016

#### *Automation Engineer Intern*

Hoffman Estates, IL

- Documented and reviewed Microsoft SQL Server and applied patches to the code
- Built features that amounted to a 150% speedup when fetching data
- Tested tablet coating machine software to prevent security breaches
- Collaborated with other engineers and created a visualization of the database
- Provided insight on the direction the company should take regarding software development

### ALPHA KAPPA LAMBDA, GAMMA CHAPTER

Jan 2016 - May 2016

#### *Technology Chairman*

Champaign, IL

- Solved many IT problems regarding cable television and wireless network infrastructure
- Installed media devices in the common areas of the house and performed maintenance for 100 tenants

## COMPUTER SCIENCE BACKGROUND

### HACKATHONS

- Hack Illinois 2017 Finalist – “Rust Cookbook” – <https://github.com/rust-lang-nursery/rust-cookbook>
  - Recipient of the “Staff’s Pick” and “Long Con” awards for our long term contributions to the project
  - Featured on the official Rust-Lang blog and commended as one of the largest achievements of 2017
  - Open source GitHub repository has nearly 500 commits and 55 contributors as of October 2017
  - A “major part” to solving the Rust standard library’s issue of “Discoverability”
  - Set the standard for quality of future Rust documentation

### PROGRAMMING LANGUAGES

- Intermediate experience using PHP (Hack), Rust, Java and Assembly
- Advanced knowledge of Python 3 with experience using modern mock/unit testing frameworks and asyncio
- Advanced knowledge of C, including low level systems programming, inline assembly and OS design
- Over three years of experience managing UNIX/Linux servers and developing environments

### SOFTWARE PROJECTS

- Flight Simulator written in OpenGL using object oriented graphics programming techniques
- Numerous other projects for class, such as implementing a shell, malloc and make
- Active contributor to the Rust programming language and supporting documentation