Daniel **Kerrigan**

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Education

University of Notre Dame   *Notre Dame, IN*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE   *May 2018*
- GPA: 3.98/4.0 - Dean's List All Semesters

Experience

EMC Corporation   *Hopkinton, MA*
SOFTWARE ENGINEERING INTERN   *May 2016 - Aug. 2016*
- Wrote Python scripts to parse, analyze, and compare timing logs for hardware upgrades on enterprise storage arrays.
- Developed a web app using Java EE to estimate how long upgrades should take, which enables more accurate planning, billing, and assessment of upgrades.
- Integrated the upgrade time estimator into an existing Java Spring application as a RESTful service.

SOFTWARE ENGINEERING INTERN   *May 2015 - Aug. 2015*
- Configured, maintained, and secured a private Docker registry using Nginx.
- Implemented an image pull counter for the Docker registry using the ELK stack and integrated this with an open source UI.
- Expanded code coverage for a production software project by writing unit tests with JUnit and EasyMock.

Notre Dame Mobile Computing Lab   *Notre Dame, IN*
UNDERGRADUATE RESEARCH ASSISTANT   *Sep. 2015 - May 2016*
- Migrated a concussion detection mobile application from Objective-C to Swift.

Projects

Jamocracy.xyz   *Oct. 2015 - Present*

- Played a lead role in implementing a web app that enables users to add songs to Spotify playlists via text messages.
- Awarded third place for best overall app at the 2015 AT&T Mobile App Hackathon at Notre Dame.
- Won the top coding award in the Schurz Innovation Challenge at Notre Dame.
- Built using Heroku, Node.js, Express, Twilio, and the Spotify Web API.

Orbis   *Feb. 2015*

- Collaborated on the development of a location based news aggregator iOS application with a team of two others during the 2015 University of Illinois hackathon.
- Winner of Answer.com's award for best use of their API.

Scheme Interpreter   *May 2016 - Present*

- Developed an interpreter for a subset of the Scheme programming language.
- Built using Swift 3.

Skills

Languages   Python, Java, Swift, C/C++, JavaScript, Shell
Technologies   Docker, Git, Heroku, JUnit, Linux, Mockito, Node.js

Activities

President   Notre Dame ACM Student Chapter (Computer Club)
Participant   AT&T Mobile Hackathon 2014 and 2015, HackIllinois 2015 and 2016