

# Josh Willis

## EDUCATION

**UNIVERSITY OF TENNESSEE**  
**MS IN COMPUTER SCIENCE**  
Magna Cum Laude

## LINKS

Github:// [JasherIO](#)  
LinkedIn:// [JasherIO](#)

## SKILLS

GatsbyJS • Python • C++

## EVENTS

- DHDAL19 Rocket League Admin
- F2Con19 PC Admin
- TEC2019 Rocket League Admin
- Beyond Astronauts Seeder
- RLCS S3-8 Qualifier Moderator/Seeder
- DHATL17 Rocket League Admin

## EXPERIENCE

### **DIGITAL RECEIVER TECHNOLOGY** | SOFTWARE DEVELOPER

February 2017 - June 2017 | Germantown, MD

- Upgraded 3 Node 0.12.x projects to Node 6.10.x
- Upgraded 35 in-house modules to Node 6.10.x
- Upgraded dependencies of in-house modules to latest patch versions
- Verified project and module unit tests

### **SHIFT PRO LEAGUE** | ADMINISTRATOR

August 2016 - March 2017 | Online

- Administrated 30+ weekly 3v3 Rocket League tournaments
- Developed a website for tournament listings, social media, and historical statistics
- Developed an OBS Browser Source for real-time overlay updating

### **UNIVERSITY OF TENNESSEE** | SENIOR DESIGN GTA

August 2014 - May 2015 | Knoxville, TN

- Critiqued 150+ papers, including: requirements documents, progress reports, design documents, and final reports
- Organized a class poster presentation
- Presented an interactive lecture on Git

### **CADRE 5** | SOFTWARE ENGINEERING INTERN

May 2014 - August 2014 | Knoxville, TN

- Retrieved, displayed, and filtered 700+ products on a single-page (AJAX, Bootstrap, and Knockout.js)

## ACADEMIC PROJECTS

### **THESIS: MIDDLEWARE AND SERVICES FOR DYNAMIC ADAPTIVE NEURAL NETWORK ARRAYS**

August 2014 - July 2015 | Knoxville, TN

- Developed a modular, object-oriented C++11 library to communicate with a novel neural network hardware design
- Created a RESTful API for a neural network database (Node.js, Express.js, and MongoDB)

## CLUBS

|           |   |
|-----------|---|
| 2013-2015 | Center for Intelligent Systems and Machine Learning |
| 2013-2015 | Neuromorphic Computing                              |
| 2014-2015 | Systems   |
| 2014-2015 | WomEngineer's Day Preparation Committee             |