

# Josh Hawkins

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## SKILLS

### Frameworks & Libraries

Node.js • Reactjs • AngularJS  
MobX • Redux • Webpack • Babel  
Windows Presentation Foundation  
Environments

Google Chrome • Electron • Atom  
Phaser.io • Unity3D

### Tools

Git • npm • PyPi  
Compiler Development • Regular  
Expressions

### Operating Systems

Windows XP, 7, 8.1, 10  
Ubuntu • MacOS • Red Hat • CentOS

## EDUCATION

### MISSISSIPPI STATE UNIVERSITY

#### B.S. COMPUTER SCIENCE

Dec 2017 | Starkville, MS

College of Engineering

Cum. GPA: 3.89 / 4.0

Major GPA: 4.0 / 4.0

### CALHOUN COMMUNITY COLLEGE

#### CORE COURSEWORK, NO DEGREE

Aug 2011 - May 2014 | Huntsville, AL

Cum. GPA: 4.0 / 4.0

## COURSEWORK

Data Communication Networks  
Database Management Systems  
Computer Architecture  
Artificial Intelligence  
Theory of Programming Languages  
Formal Languages and Automata  
Distributed Client-Server Programming  
Operating Systems Design  
Microprocessors

## WRITING

"(Don't Fear) The Regex"

— A Practical Introduction to Regular  
Expressions

## LANGUAGES

Every day:

JavaScript • C++

Frequently:

CSS • Python • C

Java • C#

## OBJECTIVE

Software engineer passionate about open source software and modern  
JavaScript seeking work experience as a Full-stack Web Developer.

## EXPERIENCE

### RADIANCE TECHNOLOGIES | WEB DEVELOPMENT ENGINEER

Jan 2018 - Present | Dayton, OH

- Develops, maintains, and tests legacy desktop applications
- Designs protocols and features to bridge capabilities between legacy desktop applications and modern thin-client web applications
- Extends the CPython embedded interpreter to create Python packages implemented in and interoperable with C & C++

### RADIANCE TECHNOLOGIES | SOFTWARE ENGINEER AIDE

Nov 2015 - Dec 2017 | Huntsville, AL

- Designs, programs, and supports military-use applications such as manned earth reconnaissance training and simulation software using C#/WPF & JavaScript/Electron
- Designs, programs, and supports military training software for pilots and sensor operators using virtual reality with Oculus Rift, Unity, Blender, C# & JavaScript.
- Configures, tests, delivers and installs systems for military training and simulation
- Travels to customer and military bases for system upgrades, installations, and maintenance
- Leads design and implementation for next generation Radiance Technologies website utilizing a Server-side Rendered React architecture

### TEXTRON SYSTEMS | SOFTWARE ENGINEER INTERN

June 2015 - Aug 2015 | Huntsville, AL

- Designs, programs, and supports military-use applications such as UAV control software using Python & BASH
- Creates workflow-optimizing applications with remote Yum Repository and automatic distribution servers with web interfaces using Python & JS
- Gains exposure to Agile work environment, customer cooperation, and code collaboration

### INDEPENDENT DEVELOPMENT

June 2012 – Present

- Programs and maintains several open source libraries and programs
- Programs and distributes multiple Google Chrome Extensions
- Programs and distributes Android smartphone applications on the Google Play marketplace

### INSANITY SKATE PARK | SKATE GUARD AND ATTENDANT

May 2014 – Dec 2015 | Madison, AL

- Tests computer networks for security vulnerabilities
- Instructs skateboarding lessons and operates miniature golf and skate surface

## VOLUNTEER SERVICE

2015 - 2016    Initium

2014 - 2018    Open Source Code

2010 - 2013    Special Olympics

2010 - 2012    AYSO

Volunteer Developer for Popular Browser Game

Contributor to Various Open Source Projects

Escort for Special Olympics athletes

Center and Sideline Referee