

# JOSHUA HUMPHERYS

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## Software developer pursuing a double major in computer science and mathematics

### TECHNICAL QUALIFICATIONS

Java | C# | JavaScript | CSS | HTML | React | Redux | Node.js | Gulp | Ninject | MySQL | LaTeX  
Git/GitHub | IntelliJ/WebStorm | Visual Studio | Android Studio | Eclipse | Android | Linux | Windows

### EDUCATIONAL BACKGROUND

**Undergraduate Student (Senior);** Covenant College; Lookout Mountain, GA; August 2015 – Present

- Pursuing a double major in computer science and mathematics
- Concentrating in cybersecurity and software engineering
- Expected graduation: May 2018
- GPA: 3.95/4.00

### RELATED COURSEWORK

Discrete Structures | Data Structures and Algorithms | Database Systems | Software Engineering  
Computer Organization | Operating Systems | Network Programming | Programming Languages  
Computer and Information Security | Cyber Defense and Digital Forensics | Cryptography  
Software Security Engineering | Foundations of Computational Theory | Calculus III  
Differential Equations | Proofs and Expositions | Probability | Linear Algebra  
Modern Algebra | Formal Logic | Real Analysis | Complex Variables

### PROFESSIONAL EXPERIENCE

**Software Engineering Intern;** Illumina; San Diego, CA; Summer 2017

- Worked on Project Firefly, creating various applications for both end-users and manufacturers
- Wrote re-usable, cross-instrument libraries and front-end C# applications using WPF and UWP
- Integrated quickly into a professional environment and helped keep our team on schedule

**Full-Stack Web Development Intern;** Paragon Component Systems; Chattanooga, TN; Summer 2016

- Created in-browser engineering software using React and Redux
- Added routes to the server and updated the database schema using C# and Entity Framework
- Contributed significantly to a team of only 6-8 developers

**Android Development Volunteer;** LightSys Technology Services; Colorado Springs, CO; March 2016

- Developed an Android app to accompany LightSys' CRM software
- Source code: [https://github.com/LightSys/kardia\\_android\\_crm](https://github.com/LightSys/kardia_android_crm)

**Software Development Volunteer;** Invasion Laser Tag; San Marcos, CA; July 2015

- Created a Java application to generate "Happy Birthday" images, with a custom name and color
- Source code: <https://github.com/JoshHumpherys/Birthday-Names>

### PERSONAL PROJECTS

Cube Timer; January 2018 – Present

- Developing a browser-based timer for speedcubers to record solve times and perform analysis
- Source code: <https://github.com/JoshHumpherys/cube-timer>

AutomaDraw; July 2017 – December 2017

- Programmed a web app to create and analyze various automata and formal grammars
- Source code: <https://github.com/JoshHumpherys/AutomaDraw>

Colors; August 2016

- Created an Android app to change the wallpaper color to a random color every day at midnight
- Source code: <https://github.com/JoshHumpherys/Colors>

Penguin Game; January 2016 – March 2016

- Designed and wrote a 2D platformer from scratch using JavaScript to ask a girl to a school dance
- Full game: <http://joshhumpherys.github.io/PenguinGame>