

# Jonathan D. Krueger

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## Education

Bachelor of Science in Software Engineering  
Iowa State University, Ames, Iowa

GPA 3.27  
May 2016

**High-Level Coursework:** Principles of Programming Languages. Computer Game Programming, Software Testing, Linear Algebra, Software Project Management

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## Technical Skills

**Languages:** C, C++, C#, Java

**Web:** Html, Javascript, AngularJS, MVC

**Development Environments:** Microsoft Visual Studio, Eclipse

**Project Tools:** Agile, SQL, Trello, Git, Subversion, Mercurial

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## Project Experience

### Programmable Wireless Controller

August 2015 - May 2016

*Senior Design*

*~500 Lines of Code*

- Technical lead for a multi-discipline team tasked with developing a wireless controller to be used in an introductory college-level course to help students learn to program in C
- Created project plan, design document, presentations, and weekly reports
- Used C, C++, Bluetooth 4, Intel Edison, Multithreading, Serial Communication, and Git

### Operation Twin Peaks

August 2014 - December 2014

*Software Development Practices*

*~750 Lines of Code*

- Team leader and 3D graphics expert on first-person game developed in Java utilizing an Agile development process
- Developed base engine code, simple net code and prototyped a terrain generation system using Light Weight Java Games Library (LWJGL), Java, and OpenGL shaders

### Discord Bot

May 2016 - present

*Personal Project*

*~100 Lines of Code*

- Developing a bot that responds to a user's commands in a chatroom using C#, Discord.net, and SQL
  - Developing a website that delivers information collected by the bot using C#, asp.net, SQL for the backend, and html, Javascript, AngularJS for the frontend
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## Internships

Rockwell Collins, Cedar Rapids, Iowa

May 2011 - August 2013

- Designed and produced code for an automated transfer process of source control files using python and batch scripts
  - Reviewed and executed test documents to ensure quality of product after a version update
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## Activities

Developing software and games (Demos available on website)

Video Gaming