

# Gregory Brinkman

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## EDUCATION

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### SOUTHERN ILLINOIS UNIVERSITY, Carbondale, IL

*Bachelor of Science in Computer Science, May 2018*

- GPA: 3.8/4.0

## PROFESSIONAL EXPERIENCE

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### FIRSTCROWD INNOVATIVE SCIENCE & TECHNOLOGY, Carbondale, IL

*Software Engineer, May 2017 – Sept 2017*

- Built 1,000+ element data visualization with **D3.js** and **AngularJS** directives on a **MongoDB, Express.js, AngularJS, NodeJS (MEAN stack)** architecture
- Met for daily **scrum meetings** with project owner and team to design, plan, and build a cohesive product

### SOUTHERN ILLINOIS UNIVERSITY, Carbondale, IL

*Undergraduate Research Assistant, Oct 2016 – May 2017*

- Wrote about computer and cyber security best practices for 7 university safety videos
- Maintained and installed **Ubuntu VM** filled computer lab
- Built a Wireless Mesh Network on OpenWRT embedded **Linux** routers where Open vSwitch switches interface with a Floodlight controller

### MOUNT ZION SCHOOL DISTRICT, Mount Zion, IL

*Systems Administration Intern, May 2016 – Aug 2016*

- Coordinated a multi-member team to install 40+ access points for expansion of wireless accessibility and one-to-one student Chromebook integration
- Updated student users in school's **active directory** and assisted with online registration difficulties

## PROJECTS

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### CHESS BORED - Written in **HTML5, CSS3**, using the **Angular2+** framework

A web-app which explains how each chess piece moves. This web-app is **mobile-friendly**, features **Single-Page Routing**, and develops chess literacy with an intuitive **User Interface**.

### VPN WEB BROWSER - Written in **Java**, using the **JavaFX** library

A browser which loads pages on a server and sends back html code for extreme security. This project uses **RMI**, JavaFX's **WebView** and **WebEngine**, stores local history, and features a full-fledged **User Interface**.

### REMOTE TERMINAL EMULATOR - Written in **C**

A server which hosts a **BASH** session for each connected client. This server includes **timers** to detect for malicious clients, an **epoll** loop for determining client activity and a thread pool to handle all I/O operations.

## ADDITIONAL SKILLS

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- Programming Languages: BASH, C, Java, Python, Javascript, HTML5, CSS3, Assembly
- Frameworks: Django, React, AngularJS, Angular2+, MEAN stack, JavaFX
- Programming Related: Vim, Git, AWS, Docker, Machine Learning, Linux