

# Chris Baack

[chrisbaack@utexas.edu](mailto:chrisbaack@utexas.edu)

chrisbaack.com

(817) 709-5689

## EDUCATION

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**The University of Texas at Austin**, Austin, TX

*August 2014 – May 2018*

**Bachelor of Science in Computer Science**

- 3.0 GPA
- Texas Interdisciplinary Program (TIP) Scholar

## COURSEWORK

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- Principles of Computer Operating Systems
- Computer Organization and Architecture
- Data Structures
- Computational Intelligence in Game Design
- Linear Algebra
- Multivariable Calculus
- Discrete Math for Computer Science
- Integral/Differential Calculus

## EXPERIENCE

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**Axxis Building Systems**, Fort Worth, TX

**IT Systems Administrator/Head Intern**

February 2013 – Present

- Deployed and maintained the company server, including the management of a Windows Domain.
- Provided technical assistance to coworkers as well as maintained company laptops.
- Programmed various controllers on the Niagara AX, and Johnson Metasys frameworks on multiple \$1M+ jobs.
- Wrote custom Java based applets for aforementioned controllers.

**The University of Texas at Austin**, Austin, TX

**TIP Mentor**

August 2015 – May 2016

- Provided academic and social support for incoming freshman to encourage a successful transition to the University of Texas at Austin.
- Tutored freshman computer science majors' fundamental skills to succeed in the UTCS program ranging from Linux tutorials to advanced data structures.

## PROJECTS

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- Expanded a toy OS to include priority scheduling, allow argument passing on the stack, implemented system calls for user programs, added virtual memory and converted existing single-thread file system into a multi-level indexed file system.
- Created multiple games in Unity using C# including a 2D Pong style multiplayer soccer game, a top-down space shooter, and an isometric 3D survival shooter.
- Designed and implemented a form based "resume builder" in JS as part of a project to ease incoming Computer Science students into career design using JavaScript.
- Designed and constructed a Pokémon Battle simulator in Java.
- Built a social networking site from scratch using HTML, CSS, JavaScript, SQL, and PHP.

## SKILLS

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- Proficient in Java, C#, C, C++, JavaScript, HTML & CSS
- Exposure to Python, PHP, SQL, Android

## COMMUNITY INVOLVEMENT/LEADERSHIP

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- Explore UT volunteer