

# Thaddeus G. Hardesty

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## Education

**University of Texas at Austin**, Austin, TX August 2013 – May 2015

Pursuit of Bachelor of Science in Computer Science

- Turing Scholars Computer Science honors program

**Georgetown High School**, Georgetown, TX May 2013

- National Merit Scholar Finalist
- College Board AP Scholar with Honors

## Work Experience

**HomeAway, Software Engineer Intern** June 2015 – August 2015

- Tidied implementation and built fluent Java client library for an internal service
- Built web-based debugger for writing and testing queries against that service
- Implemented support for nested Elasticsearch aggregations in Kibana dashboard

**Hamumu Software, Game Developer** August 2011 – November 2012

- Updated games written for low graphics modes to perform properly on modern systems
- Simplified dependencies on Windows to improve portability
- Implemented new game scripting features

## Projects

**Glowstone** Java

- Re-implementation of the Minecraft server software, original and open-source
- Compatible with existing plugins for the Bukkit framework for server modding
- Supports most “creative mode” gameplay features

**PermissionsBukkit** Java

- Publicly available plugin for the Bukkit API for Minecraft server mod development
- Assigns configured permissions to users in a simple and scalable way

**JspEdit** C/C++

- Editor for undocumented 256-color game sprite pack file format
- Includes individual and batch import and export and other editing features

**Unpickled** Python, PHP, MySQL

- Online database of worlds and levels in independent game Supreme with Cheese
- Automated processing of world files, including minimap images for all levels
- Browsable relations between downloads, worlds, levels, and contents of levels

## Additional Information

**Programming languages:** Java, Python, Rust, C++, C

**Web development:** PHP, JavaScript/CSS3/HTML5, MySQL, Sqlite