

# Keenan Thompson

Phone by Request  
[keenan@keenant.com](mailto:keenan@keenant.com)  
[www.keenant.com](http://www.keenant.com)

## EXPERIENCE

### **JRiver Inc.**, Minneapolis, MN — *Developer*

JUNE 2015 - PRESENT, SUMMERS

Resolved bugs and designed new features in JRiver's flagship media player and organization software (C, C++).

Design and creation of a home automation backend and frontend (Python, HTML5/CSS, Javascript).

### **The Avicus Network**, Afton, MN — *Owner and Developer*

SEPTEMBER 2012 - PRESENT

Created a unique multiplayer game server by developing plugins (Java, SQL, Python).

Scaled the community website (see below) to handle 1M page views per month and the game server to handle 100k players per week.

Management of a team of developers all contributing to a code base of more than 100k lines.

## EDUCATION

### **University of Wisconsin - Madison**, Computer Science, B.S.

SEPTEMBER 2015 - MAY 2019

Cumulative GPA: 3.10 (as of February 2017). Member of the Undergraduate Projects Laboratory and The Hub.

### **Stillwater Area High School**, Minnesota

SEPTEMBER 2012 - JUNE 2015

Cumulative GPA: 3.85.

## PROJECTS / ACTIVITIES

### **Quest** — [github.com/thekeenant/quest-v2](https://github.com/thekeenant/quest-v2)

A Java library used to communicate with SQL databases.  
Object-oriented and inspired by Ruby on Rails' ActiveRecord.

### **Hackathons**

Competitor and/or recognition in several 12-24 hour hackathons including Minnehack 2016, Startup Warzone (organized by Gener8tor), Local Hack Day 2016 and Madhacks 2017.

## LANGUAGES

**Proficient in:** Java, SQL, Ruby, HTML/CSS, Python

**Experience with:** Javascript, C, C++, Bash, PHP, Kotlin, C#

## TECHNOLOGIES

**Proficient in:** Maven, Unix, CI (Jenkins), Git

**Experience with:** Redis, Gradle, Android SDK/NDK, Apache, Nginx, Subversion, Vim, Node.js, NoSQL

## COURSES

Intro to Computer Engineering

Calculus I & II

Data Structures & Algorithms

Machine Organization & Programming

Discrete Mathematics

Programming Languages & Compilers (Current)

Linear Algebra (Current)

## INTERESTS

Software Development

Full Stack Web Development

Server/Website Reliability