KEENAN THOMPSON

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EXPERIENCE

Developer   **JRiver, Inc.**   **Summers, 2015 - 2017**

- Effectively communicated and planned with teams of 2-3 developers to release 2 products to customers.
- Designed and built a web app that leverages a REST API to browse and play video, audio, and images from a media library (JavaScript w/ React + Redux, HTML/CSS).
- Created a web frontend that allows users to control devices in their homes (Python, JavaScript, HTML/CSS).

Founder, Co-Owner   **Avicus Network LLC**   **Sept 2012 - Oct 2017**

- Designed and created custom multiplayer Minecraft server software (Java, SQL, Redis), a website content management and forums system (Ruby on Rails, PHP, SQL, Redis), a public REST API (Ruby), database models (MySQL), ecommerce integrations (PayPal, Stripe), and various internal libraries made open source.
- Successfully scaled website to handle 1 million page views per month; game server to 100k unique players per month; database to over 100 million records.
- Managed 50 volunteer staff who helped to enforce rules, assist community members, and coordinate events.
- Lead a remote team of 3 developers contributing to a codebase of more than 100k lines.

EDUCATION

Madison, WI   **University of Wisconsin - Madison**   **Sept 2015 - May 2019**

- B.S. in Computer Science
- Coursework: Computer Engineering; Data Structures & Algorithms; Machine Organization & C Programming; Programming Languages & Compilers; Database Design and Implementation; Cryptography

PROJECTS & ACTIVITIES

Personal Projects

- **SQL Library:** Tool to communicate with SQL databases, featuring a fluent API which utilizes Java 8 functional programming features to improve upon Java's native SQL API - github.com/thekeenant/flow.
- **Remote Device Platform:** Web app (JavaScript), REST API, and library (Java) used to communicate with and manipulate connected switches, lights, sensors, and more from a web interface - github.com/thekeenant/dhub.

Robotics Team Mentor

- Volunteer mentor for Stillwater Area High School's competitive FIRST robotics team since 2015.
- Organized software development within the programming team using version control (Git, Github).
- Guided students through web development (Ruby, HTML/CSS, JavaScript) and robot programming (Java).

SKILLS

- **Languages**: Java, Ruby, JavaScript, SQL, HTML/CSS, Python, C, Bash
- **Technologies**: Git, SVN, Redis, Rails, Linux/Unix, CI/CD (Jenkins, Travis), REST, React/Redux