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Madison, WI 53711

KEENAN THOMPSON

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EXPERIENCE

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|---|---------------------------|-----------------------------|
| Developer | JRiver, Inc. | Summers, 2015 - 2017 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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

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| Madison, WI | University of Wisconsin - Madison | Sept 2015 - May 2019 |
| <ul style="list-style-type: none">B.S. in Computer ScienceCoursework: 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