Thomas Hays

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EDUCATION   UNIVERSITY OF KENTUCKY

- Degree: **BS in Computer Science**
- Expected Graduation: **May 2020**
- GPA: **3.15**
- Relevant Coursework: **Algorithm Design/Analysis, Intro to Artificial Intelligence, Intro to Database Systems, Systems Programming, Intro to Computer Networking, Web Programming, Intro to Software Engineering Techniques, Intro to Program Design Abstraction/Problem Solving, Logic/Theory of Computing, Discrete Mathematics, Digital Logic & Circuit Design, Matrix Algebra, Calculus, Physics**

EXPERIENCE

- **University of Kentucky College of Engineering | Desktop Support Specialist**
  Aug. 2016 - Present
    - Desktop support for the staff, faculty, and student body of the College of Engineering (13 locations, 3,000 students). Stationed on campus, my responsibilities include: The setup and maintenance of Windows/Mac/Linux workstations, troubleshooting issues with existing workstations, and help desk support.
    - Working directly with professors to assure their technology needs have been met for their research and teaching.
- **Jessamine Co. Schools District Technology Office | Student Systems Engineer**
  May. 2013 – August 2016
    - Full network/computer maintenance for entire school district (16 locations, 8200 students, 1700 staff, 36 servers, 650 access points). Maintenance includes: designing of wireless and wired infrastructure, installation of network hardware, hardware/software management for individual school systems, and help desk support.
    - Functioned as an apprentice for the head systems engineer of the district.

SKILLS

- Working Experience: **C++, C, JavaScript, Python, PHP, HTML, CSS**
- Fundamental Knowledge: **PHP, Node.js, JSON, SQL**
- Applied Technologies: **Linux, BASH, Git**

PROJECTS

- **Shader Development Environment (SDE)**: A dynamic environment for developing, testing and visualizing pixel shaders. Written in C++ and OpenGL at the University of Kentucky hackathon 'CatHacks'.
- **MSH Shell**: A custom shell that operates in a manner similar to BASH, allowing the user to enter 8 different commands for users to interactively execute Unix programs. Written in C++
- **Discord Soundboard Bot:** A bot written in NodeJS that implements basic soundboard functionality for a discord server.

HONORS AND AWARDS

- **MLH Cathacks hackathon:** 1st place winner.
- **EKU Symposium in the Mathematical, Statistical, and Computer Sciences:** 2nd place as the only undergraduate team at the event.
- **UK College of Engineering Deans List:** 2 time member
- **UK Student Employee of the Year:** Top 10 finalist.
- **UK Provost Scholarship**