

Reece Mathews

Bachelor of Science in
Computer Science



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reece.pericarpal.com



singofwalls



reece-mathews

Projects

CourseCorrect Course Planner

coursecorrect.pericarpal.com

Webapp with a drag and drop UI for deciding when to take classes and an administrator interface for creating new classes and degree requirements.

Stravan't Social Activity Tracker

stravant.pericarpal.com

Website with a clean user interface for sharing exercise activities with friends and comparing performance. GPS paths are displayed using LeafletJS.

Software Developer

Self-driven learner and creator with regular programming experience spanning more than a decade. In-depth language familiarity across the board from low level x86 assembly, through C and Python, to even the Django templating language. Experience in projects: small and large, individual and group, pre-existing and new. IT skills including server setup and provisioning, webhosting, database management, and networking.

Experience

Research Assistant

2019 - Present

Center for Remote Sensing of Ice Sheets (CReSIS) Dr. John Paden
University of Kansas. 2335 Irving Hill Road, Lawrence, Kansas 66045

Entire stack upgrade for a data-hosting web application including upgrades to server hardware, CentOS operating system, PostgreSQL database, Apache server, Django backend, JS frontend, Matlab toolbox, and Bash provisioning script. Machine Learning in Matlab with C++ extensions. Database optimization in PostgreSQL and PostGIS.

Bachelor of Computer Science

Aug. 2018 - May 2022

University of Kansas

3.63 GPA

1450 Jayhawk Blvd, Lawrence, KS 66045

Fundamental understanding of computers including processor architecture, execution of binary instructions, memory layout, and compilation from source code to assembly. Higher level experience with software architecture including concurrency, functional programming, object-oriented programming, machine learning, and much more. Experience with group and long-term projects.

Volunteer Lead IT

2018 - Present

American Legion Boys State of Kansas

Summer Session

1314 SW. Topeka Blvd., Topeka, KS 66612

Managing and delegating responsibilities. Imaging and cataloging computers. Development on an old and extensive C# codebase. Automating tasks.

IT Intern

Summer 2018

K-Coe Isom (Pinion)

Bill Woolsey

3030 Cortland Cir., Salina, KS 67401

Utility Intern

Summer 2017

The Land Institute

Dr. Tim Crews

2440 E Water Well Rd, Salina, Kansas 67401

Awards

Speaker Presentation

Lamont-Doherty, 2022

Machine Learning for Polar Regions Conference

Kansas Governor's Scholar

2018

Commencement Speaker

Salina Central High, 2018

Eagle Scout

BSA Troop 214, 2017