

SHAUN JORSTAD

COMPUTER SCIENCE BS
GROVE CITY COLLEGE

CONTACT

484 649 7528
jorstadsd17@gcc.edu
github.com/shaunjorstad

PROJECTS

Puppr | collaborative school project

Androidx | Kotlin | Firebase

(Unpublished) android app that allows local dog shelters to share dogs that are waiting for adoption with their community.

- Designed the ui of the application
- Created/implemented the firestore database
- Implemented the user authentication and user settings

Big Data visualization w/ Hybrid parallelism | school project

C | OpenMP | MPI

Simulated thermal conduction in a metal plate to convergence through parallel Jacobi iterations.

- Analyzed performance of various multi-threading and multi-processing implementations to optimize run time and memory efficiency
- Engineered a Beowulf cluster to execute the hybrid parallelized program
- Generated a visual heatmap of the converged plate

Campus resources installation script | personal project

Bash

- Researched network protocols in order to connect unix operating systems to campus network print queue (Previously unsupported by the college)
- Wrote bash scripts to install campus resources on unix based Os's

WORKING EXPERIENCE

Helpdesk Repair Technician

Grove City College Computer Services

Bash

Fall '18 - Present

- Researched network communication protocols and wrote shell scripts to install previously unavailable campus resources on MacOS and Linux environments
- Wrote scripts to test various computer components, and very minor system administration
- Accurately analyzed and resolved bugs in various kernels and college affiliated applications
- Identified hardware failures on student devices

Scouting Reservation Commissioner

Resica Falls Scout Reservation

Summers of '17 - '18

- Provided strong customer service to troop leaders and campers
- Trained camp counselors to teach merit badges, function as a team and to resolve conflicts.
- Improved camp communication resources

EDUCATION

BS in Computer Science

Concentration in Data Science

Concentration in Mobile Development

Grove City College

2017 - 2021

ACM treasurer

- Managed the funds for the organization
- Organized events to bring guest speakers and alumni onto campus to share their experiences

Computer Science Tutor

- Helped underclassmen understand the basics to computer science.
- Volunteered at public tutoring events hosted weekly by the ACM
- Volunteered privately to tutor students upon request

SKILLS

Languages

- Java (Primary)
- Python
- C/C++
- Javascript
- HTML, CSS, LESS
- Kotlin
- Bash

Frameworks / libraries / tools

- Git
- Linux
- SQL, NoSQL
- Openmp, OpenMpi

Misc.

- project management
- ui design / prototyping
- Unit Testing