NEELY HOPKINS

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EDUCATION

Colorado School of Mines — 05/2022 – 12/2025

B.S. in Computer Science | Graduation: December 2025 | **GPA: 3.84** — *Golden, Colorado*

Activities: Pi Beta Phi Colorado Delta Member, Society of Women Engineers

Budapest University of Technology and Economics — 08/2025 – 12/2025

Semester Study Abroad — *Budapest, Hungary*

Algebra University College — 06/2023 – 07/2023

Summer Study Abroad — *Zagreb, Croatia*

EXPERIENCE

Tyler Technologies — 05/2025 – 08/2025

Software Development Internship – School ERP Pro — *Lakewood, Colorado*

- Introduced new data points and improved efficiency for collection of client telemetry
- Improved functionality for an internal application used to manage copies of client databases
- Created a version-controlled workflow for client databases using SQL Server Data Tools

Lunar Outpost — 05/2024 – 07/2024

Software Engineering Field Session — *Arvada, Colorado*

- Developed a 3D spacecraft model that enabled operators to monitor spacecraft health using incoming telemetry
- Utilized React to build an intuitive UI, integrating the Three.js platform and connecting to Lunar's Stargate platform
- Collaborated with client daily, hosted weekly scrum meetings with advisor, and presented project updates to large audiences

CSCI 200 Teacher's Assistant — 12/2022 – 05/2024

Department of Computer Science – Colorado School of Mines — *Golden, Colorado*

- Developed strong interpersonal and communication skills while helping students master C++ fundamentals
- Enhanced coding proficiency through grading student projects, gaining insights into coding styles and best practices

Peer Mentor — 02/2023 – 01/2024

New Student & Transition Services – Colorado School of Mines — *Golden, Colorado*

- Developed lesson plans and mentored first-year students by teaching a weekly CSM101 course

PROJECTS

Personal Website – *HTML | CSS | JavaScript* — 10/2025

- Programmed a website "about me" that highlights my artistic abilities and coding experience

Studysaurus App – *Kotlin | Jetpack Compose | Firebase* — 05/2025

- Co-developed a gamified productivity app where task completion improves the well-being and appearance of a 2D customizable dinosaur companion
- Integrated Firebase Authentication for secure user login and cloud-synced profiles

3D OpenGL Environment – *OpenGL | C++* — 12/2024

- Co-designed and implemented a 3D game featuring multiple camera views, dynamic lighting, and real-time physics
- Developed all game logic, including collision handling, coin collection, enemy avoidance, and power-ups

"Clue" Board Game – *Java* — 12/2023

- Pair-programmed the board game Clue from scratch, featuring an intuitive, user-friendly GUI