

Uskuu Batchuluun

Aspiring student in back-end immersive development & game development student @ Boise State University.

533 Parkcenter blvrd
Boise, Idaho 83706
(208) 761-0701
usukhchuluunbatc@u.boisestate.edu

PROJECTS

HoopRun — full stack web application

June 2026 - July 2026 JavaScript | Node.js | Express.js | MongoDB

- Built a full-stack pickup basketball platform using Node.js, Express.js, JavaScript, and MongoDB for creating and managing local games.
- Developed REST APIs and database operations supporting user interactions, CRUD functionality, and dynamic application features.

CRUD API — full stack database project

Feb 2025 - April 2026 Node.js | MySQL | JavaScript | SQL | REST API

- Built a Node.js and MySQL web application implementing CRUD operations, relational database design, and dynamic data visualization.
- Designed many-to-many database relationships using junction tables while applying SQL security practices and backend API development.

Cloud Based IoT — Alexa hub IoT cloud database

Aug 2026 - Sept 2026 AWS | Arduino | IoT Sensors | Alexa Skills | Cloud Database

- Built an IoT data pipeline connecting Arduino-based sensors with AWS cloud services for real-time data collection and storage.
- Designed communication between hardware devices, cloud servers, and Alexa services to enable voice-driven data retrieval.

EDUCATION

Games Interactive Media & Mobile — Boise State University

Aug 2023 - May 2027 (ongoing)

- Interdisciplinary program combining game design, software development, immersive technologies, UI/UX, interactive media to build user-centered digital experiences across games, web, mobile, AR/VR and emerging technologies.

WORK EXPERIENCE

Chip Ambassador — Microelectronics education and research center

May 2025 - Present

Supported STEM outreach programs under the National CHIPS and Science Act by teaching students fundamentals of circuitry, electronics, and semiconductor technology. Design and deliver hands-on technical activities for middle and high school students, adapting content for different learning levels.

Collaborate with university staff and student teams to coordinate workshops and outreach events serving groups of 40+ students.

LANGUAGES

- Mongolian (Native)
- English (Professional)

INVOLVEMENTS

- Men's Basketball Club president @ Boise State
- International student Ambassador