Uskuu Batchuluun

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EDUCATION

Boise State University Boise, ID

Bachelor of Science, Games Interactive Media & Mobile. *May 2027*

EXPERIENCE

Chip Ambassador May 2025 – Present

Microelectronics Education and Research Center *Boise, ID*

- Supported STEM outreach programs under the National CHIPS and Science Act, teaching students fundamentals of circuitry, electronics, and semiconductor technology.
- Designed and delivered hands-on technical activities for middle and high school students, college classes, and professional development programs, adapting content for different learning levels.
- Collaborated with university staff and student teams to coordinate workshops and outreach events across middle schools, high schools, and campus, reaching 200+ students in the first year.

PROJECTS

CRUD API Feb 2025 – April 2026

Full Stack Database Project

- 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.

HoopRun June 2026 – July 2026

Full Stack Web Application

- 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.

Cloud Based IoT Aug 2026 – Sept 2026

Alexa Hub IoT 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.

SKILLS

Languages: JavaScript, SQL, HTML, CSS

Frameworks & Libraries: Node.js, Express.js

Databases: MongoDB, MySQL

Tools & Platforms: REST APIs, AWS, Arduino, IoT Sensors, Alexa Skills Kit

ACTIVITIES & LEADERSHIP

Men's Basketball Club, Boise State University

President

International Student Ambassador, Boise State University

LANGUAGES

- Mongolian (Native)
- English (Professional)