Uskuu Batchuluun

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

Full-stack developer and Games, Interactive Media & Mobile student at Boise State University (expected May 2027) experienced in building web applications with Node.js, Express.js, MySQL, and MongoDB, designing REST APIs, and connecting hardware to AWS cloud services. Skilled in teaching technical concepts through STEM outreach.

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 — Full Stack Database Project *Feb 2025 – April 2026*

- 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.

Hoop Run — Full Stack Web Application *June 2026 – July 2026*

- 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 — Alexa Hub IoT Cloud Database *Aug 2026 – Sept 2026*

- 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