

Redmond, WA

## CHARLES SAEYANG

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<https://github.com/Saeyangc>

### SUMMARY

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As a candidate with a B.S. in Computer Science and a strong foundation in software development, I am well qualified for a position in software engineering and eager to learn how to better apply my skills in industry.

### EDUCATION

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**Central Washington University**  
**B.S. in Computer Science**

**Ellensburg, WA**  
**GPA: 3.2**

### SKILLS

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**Languages** - Java, C/C++, C#, JavaScript, HTML/CSS, SQL

**Tools/Frameworks** - Linux, Visual Studio, NetBeans, Eclipse, Git, Node.js, GCC, G++, AWS, AJAX, JQuery, React, React Native, Express.js, MongoDB,

**Other** - Unit testing, REST APIs

### ACADEMIC EXPERIENCE

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**Computer Architecture** - Binary logic, Bitwise operations, RISC/CISC processors, Assembly (x86)

**Operating Systems** - Scheduling, Processes management, Threading, C/C++

**Computer Security** - Bitwise operations, Access security, Cryptography, Ciphers, C/C++

#### Central Robotics Club

- Co-founded a robotics club at Central Washington University
- Recruited students, procured funds, and acquired equipment to develop organization
- Volunteered at events to promote STEM (science fairs, university showcases, etc)
- Participated in a VEX-U robotics competition where teams build robots in order to complete objectives

### TECHNICAL EXPERIENCE

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#### Business and Project Management Application

<http://github.com/b-rant/BPTDesignManager>

- Collaborated in a five person team (two other developers) to deliver a personalized web application for Breedt Production Tooling & Design (<http://www.bptdesign.com>)
- Evaluated, clarified, and determined plausible functionality with client
- Created database using ASP.net Core's scaffolding mechanics and "Entity framework"
- Used C# to store and access data, implement login authentication, and create user authorization

#### Chat bot for Discord and Slack

<http://github.com/Saeyangc/MooseBot>

- Creator and developer of a natural language interactive program that adds additional functionality for users in a shared chat server
- Utilized Node "Modules" to make HTTP requests from REST APIs in order to retrieve user statistics, answer math problems, and play music from YouTube through voice channels
- Deployed on an Ubuntu virtual machine, running in an Amazon EC2 instance