

Josiah(Jinyu) Wu

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OBJECTIVE

Career Objective: Professional and full-time position in software Engineering.

Self-assessment: My **vigorous and crazy self-driven** personality helps me grow faster than others. I am not only a developer, but also a dreamer. Always want to exploit technology to achieve my goal. I can bring professional cross platform software development skill.

EDUCATION

UNIVERSITY OF WISCONSIN - MADISON

Madison, WI

B.S. Computer Sciences (Expected graduation May 2020)

- GPA: 3.4/4.0
- Relevant Coursework: Data Structure, OS, Algorithm, Software Engineering, Building User Interface
- Paid 90% of all college expenses through average 20hr/week jobs

EDMONDS COMMUNITY COLLEGE

Seattle, WA

A.S. Computer Science (Dec 2017)

- GPA: 3.7/4.0
- Relevant Coursework: Java Programming, Calculus, Linear Algebra

EXPERIENCE

Morgridge Institute for Research

Madison, WI

Software Engineer Intern – Stewart Computational Biology Group

Apr 2019 – Present

Laboratory Information Management System (LIMS)

- Description: An information management system for improving bioinformatic research.
 - Implement an automating data fixer to rescues invalid legacy data.
 - Design and develop database version control system for lab database.
 - Refactor legacy code, scale down codebase, and improve code reusability.
 - Migrate and update project codebase from PHP5 to PHP7.
- Achievement: Fixed over 40000 data records, implemented database VCS and make database truly bulletproof, refactored over 2500 lines of code, worked with teammates and upgraded PHP version.

Genomic Feature Analyzer

- Description: An analysis software for discovering the correlation between body size and genomic features
 - Design an algorithm to analyze the correlation between body size and genomic features
 - Implement web crawler that can help matching assembly accession to organism name on NCBI.
 - Parse large amount of data and convert data into programmable object.
- Achievement: Developed an algorithm that can calculate large genetic files efficiently, made contribution to an open source project, and created a simple web crawler that can parse information from NCBI.

Edmonds Community College

Seattle, WA

Programming Tutor – Trio Department

April 2017 – May 2018

- Duty: Help student with their homework (Math and Computer Science).
- Achievement: Student's most favorable tutor. Increased students sign up rate by more than 100%.

Computer Lab Assistant – ESL Lab

- Duty: Maintain Lab order, assist professors with their classes, and give presentation for new students.
- Achievement: Taught more than 300 people from different countries how to use computer.

Yomojoy

Xiamen, Fujian

Web Developer Intern

June 2017 – Aug 2018

Remote Mosquito Killer

- Description: Develop web-based mobile application to control Electronic Mosquito Killer remotely
 - Develop responsive layout/view on top of HTML5, JS, and CSS3, using MUI Framework
 - connect application to Giwits IoT Cloud Service to allow human device interaction.
- Achievement: Effectively improved full-stack development ability, experienced agile development.

SKILLS

JavaScript, HTML, CSS, React, Redux, MySQL/MongoDB, PHP/Node.js/Java, Web Development, Git, Jira