

# CHRISTOPHER ALEXANDER

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## EDUCATION

### **B.S. Electrical Engineering**

University of Washington – Seattle, WA  
Expected Graduation: June 2021  
GPA: 3.63

### **A.S. Associate in Science Transfer**

Shoreline Community College – Shoreline WA  
Graduated: Spring 2019  
GPA: 3.75

## SELECTED WORK EXPERIENCE

### **Software Engineer Internship** | PT. Mitra Adi Perkasa Tbk. | July 2019 – August 2019

- Developing a web sales report for Sephora, adding online payment option for MAP E-MALL, and adding MAP Voucher usage option in the MAP E-MALL Application.

### **Frontend Web Developer** | Triple One Global Indonesia | September 2020 – October 2020

- Developing a cooperation management system to support small to medium business in various undeveloped area outside Jakarta, using VueJS and Spring boot Java.

### **Software Engineer Internship** | IBM Indonesia | October 2020 – April 2021

- Developing “New Normal Workspace” project using React Hooks and Golang to handle various COVID-19 related issues in internal and external workspace situation.

## TECHNICAL SKILLS & ABILITIES

- **Programming Language** (Java, MATLAB, Python, Verilog, SystemVerilog, PHP)
- **Database** (SQL, MySQL, SparkDB, Microsoft Azure)
- **Web Development** (HTML, CSS, JavaScript, ReactJS, VueJS, Angular, Bootstrap)
- **Mobile App Development** (Android Studio, Ionic 4)
- **Others** (Adobe series, SolidWorks, API development, Business Process, Data Flow, Algorithm Solver)

## LEADERSHIP EXPERIENCE AND ACTIVITIES

### **Vice President and Head of Creative** | Indonesian Shoreline Community | September 2017 - May 2019

- Created and hosted a lot of events for Indonesian students that came to Seattle. Events include creating an Indonesian sports night, food fundraising, welcoming party, and graduation night.

### **Electrical Engineering Representative** | COESAC at University of Washington | October 2019

- Provides a student perspective on policy, planning, student programming, and budgeting matters for the College of Engineering.

### **Web Developer** | Indonesian Student Association at UW | August 2019 – Present

- Create and maintain the ISAUW Website and ISAUW Pay. (<http://isauw.org> & <http://isauw.org/pay>)

## SELECTED PROGRAMMING PROJECTS

### **Minecraft Save System Framework** | January 2021 | Sponsored by Microsoft.

- Develop a framework to test the robustness of Minecraft Bedrock current and potential database solution by comparing space complexity and time performance in C++.

### **“Sephora” Web Report** | September 2019

- Implemented Java (Injected with Spring Frameworks) as the core back-end and presented using Angular as the front-end fundamentals.

### **ISAUW Website and ISAUW Pay** | August 2019 | Indonesian Student Association at UW

- Develop a website from scratch using HTML, CSS, JavaScript and host it using “HostGator”, results can be seen on <http://isauw.org>.

### **New Normal Workspace Management** | October 2020 | IBM Indonesia

- Develop a workplace management system to handle various COVID-19 related issues such as routine and on demand cleaning schedule in common and specific spots using React Hooks and Golang.
- Project heavily works on coordinate / dot drawing and detection to handle every spot in the office floorplan.