

# Ignatius Ali Alamsyah Djaynurdin

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## Objective

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Innovative third-year Computer Engineering major with a concentration in Computer Hardware and Emerging Architecture. With a firm programming foundation and computer architecture knowledge. Experienced in hands-on hardware/embedded systems in battery packs and battery monitoring systems for solar-powered electric race cars. Active in organizational management, developing strong social and leadership skills. Seeking a Spring 2023 Co-op (January-June) or Summer 2023 Internship (July-August).

## Education

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### Georgia Institute of Technology | Atlanta, GA

Candidate for Bachelor of Science in Computer Engineering GPA n/a

August 2022 – Present

Expected Graduation: December 2024

### Bellevue College | Bellevue, WA

Transfer with 62 Credit Hours, GPA 3.96

September 2020 – June 2022

## Skills

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**Programming:** Java, C, C++, CSS, HTML, JavaScript, PHP, Python

**Software:** KiCad, Microsoft 365, Autodesk Eagle, Adobe Creative Suite

**Communication:** Design proposals, presentations, poster design (printed and Instagram feeds), edited company profile video

**Languages:** English (fluent), Indonesian (native), Chinese (beginner)

## Experience

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### Indonesian Student Association Seattle | Seattle, WA

October 2021 – June 2022

#### Designer / Creative Media

- Designed Instagram posts with more than 1000 likes and 10000 views with Adobe Creative Cloud.
- Collaborated with six students; presented the progress through bi-weekly conferences and a final poster presentation.
- Illustrated UI and revitalized the organization's website.

### Indonesian Catholic Student Association Seattle | Seattle, WA

July 2020 – June 2022

#### Head of Creative Media

- Conceptualized creative marketing and campaign design with more than 40 Instagram posts.
- Designed Instagram posts with more than 350 likes and 3000 views with Adobe Creative Cloud.
- Increased social media engagement by 200%.

### Bellevue Indonesian Club | Bellevue, WA

August 2021 – June 2022

#### Head of Creative Media

- Planned and conceptualized a creative campaign for fundraising with over 4000 views.
- Designed Instagram posts with more than 200 likes and 3000 views with Adobe Creative Cloud.

## Relevant Coursework

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**Digital System Design:** Design layers of a computing platform from switches and wires to a programmable machine .

**Data Structures and Algorithms:** Work with advanced data structures used in software development and become familiar with sorting algorithms.

**Calculus 1-3, Linear Algebra:** Analysis of functions, derivatives in varying coordinate systems, matrices via eigenvalues/eigenvectors, linear modeling, multidimensional methods, designing computational models, induction, and recursion.

**Discrete Math:** Thorough understanding of formal proofs, understanding logic, mathematical theory of computation, and simple encryption techniques.

## Leadership

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### Georgia Tech Solar Racing | Batteries and BMS Team Member

September 2022 – Present

- Utilized Riedon Shunt current sensor for the battery pack
- Designed and implemented various system circuit boards for BMS, current sensor, and regulator using KiCad

### Moment Hunter | Video Editor/Designer Coordinator

August 2017 – May 2020

- Produced high school's company profile and student admission posters with Adobe Creative Cloud
- Edited graduation videos, student orientation videos, and yearbook posters
- Built unRAID server, Editing PC and LAN gigabit connections across PCs