

# Christopher Setiabudi

☎ 412-390-6605   ✉ [csetiabu@andrew.cmu.edu](mailto:csetiabu@andrew.cmu.edu)    [Christopher Setiabudi](#)    [github.com/Christophers27](https://github.com/Christophers27)

## Education

---

### Carnegie Mellon University

Expected May 2026

*Bachelor of Science in Artificial Intelligence (GPA: 3.77 / 4.00)*

*Pittsburgh, Pennsylvania*

- **Relevant Coursework:** Principles of Imperative Computation (C), Math Foundations for CS, Concepts in AI (Python), Principals of Functional Programming (SML), Intro to Computer Systems (C) Vector Calc. for CS, Parallel & Sequential Data Structures and Algorithms (SML), AI Representation and Problem Solving (Python), Prob. Theory in CS (Python)

## Experience

---

### AirLab

May 2023 – Dec 2023

*Research Intern*

*Pittsburgh, Pennsylvania*

- Developed AI models for computer vision problems, focusing on semantic segmentation models
- Utilized PyTorch and Tensorflow frameworks in Python for model development and training
- Studied latest computer vision models and techniques, including transformers, and applied knowledge to real-world problems in the lab's research projects
- Utilized Huggingface and WandB for experiment and model tracking, increasing efficiency and research reproducibility

### Global Inbyra School

May 2020 – Aug 2020

*Back-End Software Engineer*

*Tegal, Indonesia*

- Implemented CNN to accurately detect and classify license plates in real-time with OpenCV and Tensorflow
- Collaborated with front-end developers to create user-friendly interface, streamlining the process of uploading and classifying images
- Managed codebase with Git to ensure code quality and effective collaboration

## Projects & Extracurriculars

---

### University Course Bot | *React, Next.JS, Python, TypeScript*

- Developing Discord bot and responsive website using TypeScript in Next.js framework, collaborating with cross-functional team of co-developers
- Creating centralized database system for university course info, allowing efficient course scheduling for students
- Developing back-end functionality for Discord bot with Python, using Git and Agile for streamlined collaboration

### Speech to Text App | *Javascript, Android Studio, React, Next.js*

- Developed initial version of app in Android Studio, using Java to try integrate OpenAI Whisper API
- After compatibility issue, now using Google Cloud Speech-to-Text API
- Currently rebuilding in Next.js with React for iPhone and Android cross-platform capability

### Space News Hub — Hackathon Project | *React Native, MongoDB*

- Created hub for space-related features, such as space news and solar system orbital simulator, as mobile app with React Native
- Used API to grab space-related news off various websites on the internet and centralize it in one app

### ScottyCon App — ScottyCon Tech Chair | *Javascript, Android Studio, React, Next.js*

- Developing app containing check-in, event tracking, and other features for ScottyCon convention
- Leading small team to develop mobile app in React Native, using Git to facilitate better teamwork
- Planning to use Google Maps API for map feature, and MongoDB for check-in feature

## Technical Skills

---

**Languages:** Python, C, Javascript, Typescript, CSS, HTML, Standard ML, MATLAB, Dart

**Technologies:** React.js, React Native, Next.js, MongoDB, TensorFlow, PyTorch, Docker, Android SDK

**Concepts:** Computer System, Data Structures, Cache Memory, Artificial Intelligence, Machine Learning, Neural Networks, Computer Vision, Agile Methodology, UNIX/LINUX