

REANNU INSTRELLA

EDUCATION

Cum Laude, Bachelor of Science in Computer Science, 07/2023

University of The Philippines - Diliman - Quezon City, Philippines

- Received **DOST-SEI Merit Scholarship**
- Graduated **Cum Laude (1.63)**

High honors, High School Diploma, 05/2018

Philippine Science High School - Ilocos Region Campus

- Ranked **13 in Class of 80**
- Awarded **High Honors**
- Director's List **2016-2018**

PROFILE SUMMARY

A Computer Science graduate from the University of the Philippines - Diliman with a strong interest in software development like full-stack development, and server management locally and in the cloud. Knowledgeable in various areas including languages such as JavaScript, TypeScript, Python, C, and others as well as web development frameworks like React, Express, and other web service technologies like reverse proxying with Nginx, CloudFlare tunneling. Developed several projects such as NSNP-Simulator, BoredApp, RPSuper, and maintaining servers locally and in the cloud for different purposes and projects such as file serving and backend for web applications.

EXPERIENCE

Full-stack Developer Intern (June – July 2022)

Interactive Learning Center Diliman

Collaborated with a team for development of a calendar application by implementing new features and functionality including UI design improvements to enhance user experience.

Workshop Leader – Internal Operations (March – May 2021)

Google Developer Student Clubs – UPD Chapter

Led the team in planning and hosting of workshops for the members of the organization.

PSHS Computer Guild - President (2015-2016)

Philippine Science High School – IRC

Spearheaded planning of club events, projects, and competitions as well as hosting workshops in different computer related fields.



San Fernando City, La Union



+639276094903



reannumon123@gmail.com

WEBSITE AND PROFILES

- ❖ <https://reannuinstrella.me>
- ❖ <https://github.com/reannu123>
- ❖ <https://www.linkedin.com/in/reannuinstrella>

TECHNICAL SKILLS

Database Tech: MongoDB, MySQL, PostgreSQL, Prisma, Firebase

Infrastructure: DigitalOcean, CloudFlare, AWS, Raspberry Pi, Nginx, Docker,

Source and Version Control: Git, GitHub, GitLab

Languages: JavaScript, Python, C, Java, C#, C++, TypeScript, Arduino

Web Dev: Node.js, React, Express, NextJS

Others: Unity 3D

Operating Systems: Linux, Windows, Android

AWARDS

Graduated Cum Laude, 2023

Completed BS Computer Science in UP Diliman Cum Laude with an average of 1.63.

DOST-SEI Merit Scholarship, 2018-2023

Part of the 8,994 nationwide qualifiers out of 46,434 examinees who were awarded a scholarship by the Science Education Institute of the Department of Science and Technology which secured college education financial assistance.

Graduated with High Honors, 2018

Awarded High Honors for graduating High School with an average of 1.5 or higher which was accomplished by 13 in our class of 80.

SOFTWARE PROJECTS

FireRPS

- A real-time Multi-player Rock Paper Scissors game
- Uses React, Express, and Firebase Realtime Database
- Can be accessed here <https://reannuinstrella.me/rps-firebase/>

BoredApp

- A WIP CRUD Task App with authentication
- Uses the MERN stack and the Bored API
- MongoDB, ReactJS, Express, NodeJS
- Can be accessed here <https://reannuinstrella.me/BoredApp/>

NSNP-Simulation

- A Numerical Spiking Neural P System visual simulator
- A WIP Simulator for a Computational Model in Theoretical Computer science - Membrane Computing built using React JS and Cytoscape
- As part of a completion requirement for our research under Algorithms and Complexity Laboratory in the Department of Computer Science in UP Diliman
- Can be accessed here <https://nsnp.snapse.website/>

TrendTracker

- A WIP Product demand forecasting tool
- Headed the Frontend for our Innovation and Technopreneurship Course
- Uses React and Django

Plannercord

- Administrator Discord Bot
- Headed the group project for our Software Engineering Course
- Used Discord API to create an assistant chatbot.
- Used MongoDB as the NoSQL database.

ColorLock

- Interactive Encryption Tool
- Headed the User Interface design
- Used Python and Pyglet for the UI engine

Flappy Physics

- Interactive Physics Simulator written in Java
- Headed Main Development

OTHER SKILLS

Analytical Thinking
Eagerness to Learn New Technologies
Team Collaboration Avid Learner

IT Support
Office suite proficiency
Troubleshooting
Agile and Scrum

INTERESTS

- Game Development
- Web Development
- Mobile App Development
- Widening knowledge and improving technical skills
- Tinkering with Electronic Devices