Bernico Jansen Chandra

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Github: BernicoJC
Portfolio: bernicojc.com

A student pursuing Computer Science bachelor's degree at the University of California, San Diego (UCSD). Currently, I am a third year here. I'm passionate about software engineering as it lets me channel my logical thinking skills as well as allow me to use my creativity to help solve the worlds' problems. In Particular, I'm most excited about algorithm optimization, debugging, and application development. I am always a hard and smart worker when faced with challenges and I am open-minded to explore new facets of the computer science field.

EDUCATION

University of California - San Diego (UCSD) — *Computer Science B.S.*

SEPTEMBER 2022 - PRESENT

Currently pursuing an undergraduate Bachelor of Science degree in Computer Science at UCSD. Current GPA: 3.963 (Units finished: 126.00). Website:ucsd.edu

EXPERIENCE

Internship at KPMG —Jakarta, Indonesia

JUNE 2024 - AUGUST 2024

The internship position I took during my 2024 Summer Break. I was a part of the IT Enabled Transformation team. I assisted in multiple projects involving the company's clients: most notably as a business analyst in one of said projects. Website: kpmg.com/socialmedia

Internship at PT Kreatif Global —Jakarta, Indonesia

JULY 2023 - SEPTEMBER 2023

The internship position I took during my 2023 Summer Break. I worked on an OCR project utilizing Tesseract and the Python library PyTesseract for the company to automate their invoice reading process. Website:kreatifglobal.co.id

PROJECTS

Portfolio Website — ReactJS and Flask Personal Website

A website built with ReactJS front end and Flask back end, deployed with Heroku. It is a website with SQLite database where I display my projects with a feedback form, all connected to the back end. Github pages: github.com/BernicoJC/Portfolio-Frontend and github.com/BernicoJC/Portfolio-Backend

Tiled Convolution — Optimized CNN Forward Layer

An OpenCL programming assignment for my Parallel Programming class. It involves optimization of a Convolutional Neural Network's image processing using the GPU and the technique tiling. More info on my websitebernicojc.com

DevDiary — Daily *Diaries for Developers*

A webpage built with HTML, CSS, and JavaScript. It features automatic daily journals which also have trackers for moods, sleep time, and lines of codes done. I was one of the team leads. Github page: github.com/cse110-sp24-group18/cse110-sp24-group18

SKILLS

General Software Skills: Algorithms, Git, Bash, Linux (Ubuntu); OOP, Data Structure; Website Scraping (BeautifulSoup), Pandas and MatPlotLib; Discord Botting (discord.py); Flutter, OCR (PyTesseract); Networked Services

Website Development: ReactJS Front end, Python Flask Back end, Team Leadership; Github pipeline; SQL (PostgreSQL, SQLite), Agile development

Programming Languages: Python, Java, C, ARM Assembly, C++, C#, JavaScript, Golang

Unity 2D: Platformer, Enemy Scripts, Attack Scripts, Enemy Spawning Scripts

Minecraft Modding: Java Forge

Others: SAP, SalesForce, ServiceNow

AWARDS

Revelle College Provost Honor (Year 2022-2023) 4.0 GPA —College

VOLUNTEER EXPERIENCE

Canisius Tutoring Program (2020-2022), tutor in physics

LANGUAGES

Indonesian (native), English