Aurel Jared C. Dantis

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Profile

Computer science graduate with a passion for the visual arts and a desire to unite timely information with good design. Has experience creating websites, promotional materials, and other media for various projects, ranging from personal to academic and professional in nature.

Education

University of the Philippines Diliman

Bachelor of Science in Computer Science · 2019 — 2024

<u>Relevant coursework:</u> Digital Health Implementations, Artificial Intelligence, Software Engineering, Data Structures & Algorithms, Operating Systems, Computer Networks, Programming Languages, Compiler Construction, Database Systems, Automata Theory & Computability, Discrete Mathematics, Elementary Numerical Computing, Digital Electronics & Circuits, Computer Organization & Architecture

Philippine Science High School Main Campus

Secondary · 2013 — 2019

Skills

Web Development

Vue.js, Nuxt, Tailwind CSS React.js, Next.js Flask, FastAPI Bootstrap, jQuery

Languages

HTML5, CSS3, JavaScript, SQL Python 3, C

DevOps, etc.

Docker, Portainer
Google Cloud
Git version control
Cloudflare (DNS, Argo Tunnels)
Linux/UNIX proficiency
ZeroTier, Tailscale
Nginx

Experience

Junior Software Engineer, OpenPay

Feb 2024 — present

Designed and developed solutions for synchronizing customer subscription and transaction data to third-party analytics and customer service systems such as ChartMogul and Intercom.

Helped develop credit card tokenization using *OpenPay.JS*, a library for embeddable payment method capture.

Enhanced developer experience externally by writing documentation and helping publish SDKs, and internally by improving development workflows.

References available upon request

Web Development Intern, UP-PGC CFB

Jun 2022 — Jul 2022

Helped enhance *GxBLearn*, a website for teaching the basics of bioinformatics, by incorporating interactive Biopython examples that could run in the browser, no Python installation required.

WebUpdates Team Head, UP CURSOR 2122A

Sep 2021 — Jan 2022

Designed the new UP CURSOR website for 2022 and led the team responsible for the website design and the online announcement materials for the UP Association of Computer Science Majors (UP CURSOR).

Research & publications

Developing a Browser Extension for the Automated Detection of Deceptive Patterns in Cookie Banners

2023

Adorna, J. H., Dantis, A. J., Feria, R., Figueroa, L. L., & Solamo, R.

doi.org/10.2991/978-94-6463-388-7_8

Presented at the 2023 Workshop on Computation: Theory and Practice in Chitose, Hokkaido, Japan.

Workshops & conferences attended

PSHSS 2018 Science Research Summit

Sep — Oct 2018

Convention of PSHS scholars from all over the Philippines that aims to increase the community's knowledge and appreciation of Science, Technology, Engineering, and Mathematics (STEM).

Awards & citations

Summa Cum Laude

2024

University of the Philippines Diliman

Oblation Scholarship Awardee

2019

University of the Philippines Diliman

Undergraduate Merit Scholarship Awardee

2019

Science Education Institute, Department of Science and Technology

Director's Lister

2013 - 2019

Philippine Science High School Main Campus

Projects

Ariadne

https://github.com/wsg-ariadne

Browser extension for detecting deceptive patterns on websites using machine learning. Presented as undergraduate thesis project at WCTP 2023 (see previous Research & Publications section).

Extension written in Vue.js 3 & Tailwind CSS.

Dashboard written in Nuxt 3 & Tailwind CSS and secured with Auth0.

ML models created with NLTK & Keras on Python 3.

API written in Flask & PostgreSQL and deployed as a Docker container on university-hosted Ubuntu virtual private server.

Blanco

https://blanco.dantis.me

Discord bot written in Python 3 that allows users to play back high-quality music in a Discord voice channel. Written with Nextcord and deployed as a Docker container on Google Cloud Compute Engine.

General Weighted Average (GWA) Calculator

https://calc.dantis.me

Web app that lets students quickly estimate their current class standing. Written in Vue.is 2, made with Vuetify, and deployed on Netlify.

Playman

https://playman.dantis.me

Web app for managing your Spotify playlists, even while on the go. Supports shuffling, merging, backups and more. Written in Vue.js 2, made with Vuetify, and deployed on Netlify.