

REYNER HYWEL SANTONIUS

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

| September 2020 – June 2022
(Expected graduation)

- Bachelor of Science
- Major: Computer Science
- Minor: Music
- GPA: 3.714

LANEY COLLEGE

| August 2018 – May 2020

- Associate in Science, Mathematics
- Major: Computer Science
- Cum. GPA: 3.92 - Major GPA: 4.0

SKILLS

TECHNICAL SKILLS

Proficient with:

Python • C • UNIX • C++ • Java • HTML • JavaScript • CSS • Git

Familiar with:

Node.js • Express • React • Machine Learning • Computer Vision • OpenCV • LaTeX

SOFT SKILLS

Strong Verbal (Communication) • Enthusiastic • Responsible • Creative • Leadership

PUBLICATION

SMAKONECUP THEME SONG

| 2016 & 2017

- Composed and co-composed theme songs for SMAK 1 high school annual event

OTHER INTERESTS

CAPOEIRA (Brazilian Martial Art)

- Have been practicing capoeira for over 8 years

LANGUAGES

Indonesian (Native) • English • Chinese (Limited)

AWARDS & TECHNICAL PROJECTS

ALGOEXPERT SWE PROJECT HONORABLE MENTION

| August - September 2020 | https://youtu.be/WXIDG_hzEOE

- Placed top-6 in the software engineering project contest with a theme of visualization
- Built a web app with **JavaScript** and **Express** framework to correct fitness exercises form through live webcam
- Used **Tensorflow.js**, **PoseNet**, and **BodyPix** libraries to create form-detection functionality and assemble live body part segmentation visualization
- Allow user to visualize time under tension and overall performance through graphs set up using **D3.js** and **SVG**

DEVELOPERWEEK's HACKATHON FINALIST

| February 2020 | Galvanize, San Francisco |

<https://github.com/DELIGHT-Delayed-FLight/>

- Top-5 overall-best event project out of 90 teams
- Built a web app using **MERN-stack** to find long layover flights for users to explore cities and discover activities to do in due course using Yelp's and Amadeus's APIs

FIPS (Fitness Plan Web App)

- Built a fitness web app using **JavaScript**, **Node.js**, **Express**, and **Mongoose** to lift awareness of physical health
- Offers pseudo training plan and diet plan to help users improve overall health and getting in shape
- Implemented user authentication and authorization to actively interact on the platform and access all plans and utilize comment sections

PATH-FINDING VISUALIZER

- Built a path-finding visualization app using **React.js** to better analyze and grasp path finding algorithm
- Implemented Dijkstra's algorithm to find shortest path from start to target point

EXPERIENCE

MATHEMATICS TUTOR (Peer & Embedded Tutor)

| August 2019 – May 2020 | Laney College

- Helped students in various Mathematics courses including but not limited to Calculus, Linear Algebra, and Differential Equations
- Reinforced student learning during class session in Pre-Calculus & Trigonometry courses

OTHER ACTIVITIES

MULTICULTURAL AMBASSADOR

| February 2019 | Berkeley City College

- Hosted a multicultural open forum representing Indonesia
- Introduced culture and tradition insights to attendees

BLACK STUDENT UNION (Black History Month Expo)

| March 2019 | Berkeley City College

- Performed at the expo as a solo pianist in celebration of the Black History Month