

Arwin Lashawn Anak Kendary

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Personal website: <https://arwinlashawn.github.io/>

EDUCATION/CERTIFICATION

Tertiary

B.S. in Biotechnology, Bioinformatics Track
University of California, Davis, CA, USA
UC Davis Oliver M. Ruth Scholarship Recipient
Dean's Honor List x2

Graduated Spring '20

Secondary

9A+ in Sijil Pelajaran Malaysia (SPM)
Sekolah Menengah Sains Miri, Sarawak

Graduated December '13

Certification

IBM Data Science Professional Certificate (In Progress)

SKILLS

Computer

Programming/Formatting: Python, R, SQL, Bash, Markdown, HTML, CSS

Framework: Django, Bootstrap

Database: SQLite, MySQL

Version Control: Git, GitHub

Programs: Tableau, Cytoscape, Filezilla, MS Office, Audacity, Da Vinci Resolve

Familiar with: Amazon Web Services (AWS), JupyterLab, Jupyter and RStudio notebooks, IBM Watson Studio, Hexo, Agile development approach, Windows, Linux and Mac operating systems, building computers

Related applications:

- Used Python and SQL to make a unit test to check if input database contains the expected number of tables and table names
- Used Python, Bash and SQL to handle bulk insertion of data into SQLite database
- Used Bash scripts with GNU Parallel module to efficiently blast multiple gene sequences against multiple databases
- Used R scripts to find highly expressed genes which are co-expressed with a certain gene within the same human tissues

Related projects:

- Made a desktop application using C++ and Qt for image processing and histogram equalization
- Made a to-do list app using Django and Bootstrap within 3 days as shown [here](#).

Laboratory

PCR, RNA extraction, electrophoresis, centrifuging, plating, plate counting, inoculum preparation, vacuum inoculation, pipetting, spectrophotometry, bacteria streaking, transplanting of seedlings, vortexing and titration.

Language

Native proficiency in English and Malay. Conversational in Mandarin and Indonesian.

Music

Guitar, piano and vocals

EXPERIENCE

Jr Data and Full Stack Engineer at Tapway, Petaling Jaya, Selangor August '20-Present
Will soon dive into OpenCV using Python and AWS fundamentals.

Undergraduate Researcher at Korf Lab, UC Davis Nov '19-Present
Currently assisting in developing a SQLite database which stores Nuclear Magnetic Resonance (NMR) data. Used R and Bash for data cleaning, eventually leading to discovery of duplicate data. Currently using Python, Bash and SQL to handle unit tests and data insertions.

Undergraduate Researcher at Melotto Lab, UC Davis June '18-March '20

- Studied the persistence of various Salmonella serovars in Salinas lettuce plants.
- Assisted a lab research project by running BLASTx using GNU Parallel for faster results.

Laboratory Assistant at the Melotto Lab, UC Davis April '18-March '20
Assist in washing and arranging labware, preparing media, autoclaving labware and media, disposing of trash (BSL2 trash included), sowing seeds and transplanting seedlings, thinning seedlings, watering plants, preparing 70% ethanol and refilling Milli-Q water tank.

Server/Cashier at Kenny Rogers Roasters (Restaurant Chain), Malaysia Summer '17

ACTIVITIES

LEGO Mindstorms National Robotics Competition, Malaysia Summer '12
Led a robotics team in high school. Roles included coordinating the team and programming our robot using the LEGO Mindstorms NXT software.

International Exhibition for Young Inventors, Bangkok, Thailand Summer '12
Exhibited a project on the application of sacrificial anode cathodic protection, a method implemented to prevent structural corrosion. Received "Special Award".

LEADERSHIP

Vice Head Prefect of High School Prefectorial Board Summer '12-Summer '13
Played an integral role leading the prefectorial board which was responsible for maintaining the students' discipline under the guidance of teachers.

Captain of High School Basketball Team Summer '12-Summer '13
Led the team during practice sessions and orchestrated gameplay as the point guard of the team.