

**Arwin Lashawn Anak Kendary**  
[aanakkendary@ucdavis.edu](mailto:aanakkendary@ucdavis.edu) (530) 965-6328

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**EDUCATION**

B.S. in Biotechnology, Bioinformatics Track (formerly Microbiology) **Expected Spring '20**  
University of California, Davis  
UC Davis Oliver M. Ruth Scholarship Recipient  
Made Dean's Honor List for Fall Quarter '16 and Winter Quarter '17

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**SKILLS****Computer skills**

Programming: Python, R, Bash

Database: SQL

Version Control: Git

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

Familiar with: Amazon Web Services (AWS), Markdown, Windows, Linux and Mac operating systems, assembling computers

Related applications:

- 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 in the same human tissue
- Used Python modules (argparse, unittest) and SQL to make a unit test to check if input database contains the expected number of tables and table names

**Laboratory skills**

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

**Language skills**

Expert proficiency in Malay and English. Conversational in Mandarin and Indonesian. Familiar with Japanese and Korean.

**Music skills**

Self-taught singer, guitarist and pianist with over 10 years of experience. I make song covers in different languages and upload them to my YouTube channel.

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**EXPERIENCE**

**Undergraduate Researcher at Korf Lab, UC Davis** **Nov '19-Present**

Assist in developing a SQL database containing easily accessible Nuclear Magnetic Resonance (NMR) spectroscopy data. Used R and Bash for data cleaning, eventually leading to discovery of duplicate data. Currently using Python and SQL to develop an NMR database that will be user-friendly.

**Undergraduate Researcher at Melotto Lab, UC Davis** **June '18-Present**

- Studied the persistence of various Salmonella serovars in Salinas lettuce plants. Roughly seven hours a week were spent on this research.
- Assisted a lab research project by applying bioinformatics, specifically running BLASTx using GNU Parallel for faster results.

**Laboratory Assistant at the Melotto Lab, UC Davis** **April '18-Present**

Assist in washing and arranging labware, preparing media, autoclaving labware and media, disposing of trash (BSL2 trash included), washing and preparing pots, germinating seeds and transplanting seedlings, thinning seedlings, watering plants, preparing 70% ethanol and refilling Milli-Q water tank.

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

Worked under the supervision of an experienced manager who encouraged me to do many different types of work from taking customers' orders to becoming a cashier.

## **ACTIVITIES**

**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" for the project.

**LEGO Mindstorms National Robotics Competition, Malaysia** **Summer '12**

Led a robotics team in high school and my roles included coordinating the team and programming our robot using the LEGO Mindstorms NXT software.

## **LEADERSHIP**

**Vice Head Prefect of High School Prefectorial Board** **Summer '12-Summer '13**

Played an integral role leading the prefectorial board in my high school which was responsible for maintaining the discipline of students with the guidance of teachers.

**Captain of High School Basketball Team** **Summer '12-Summer '13**

Led the team during practice sessions and orchestrated our gameplay as the point guard of the team.