

15730 Beach Dr NE
Lake Forest Park, WA

Erik Luu

erikluu.github.io

(206) 498-2233
eeluu19@gmail.com

Employment Experience

Cylerian LLC	Software Engineer, Intern	June 2022 – October 2022
---------------------	----------------------------------	---------------------------------

- Developed a one-click marketplace application for the Cylerian platform to analyze and visualize clients' Google Cloud Platform projects.
- Built scheduled tasks using Google's REST APIs to pull relevant information to model statistics and create visualizations into easy to read, interactive, on-demand dashboards, reports, and relational graphs.
- Technologies: NodeJS, Google Cloud Platform, AWS, MDX, Elasticsearch

Search and Rescue – Cal Poly	Research Assistant	January 2022 – June 2022
-------------------------------------	---------------------------	---------------------------------

- Led weekly meetings with a team to organize and index national and California state search and rescue forms to create a platform to electronically store and share these documents.
- Wrote scripts to parse and structure fields in an easily readable and comparable fashion.
- Technologies: NodeJS, Pandas

Sheridan Beach Club	Senior Lifeguard	Summers 2016 – 2021
----------------------------	-------------------------	----------------------------

- Provided monitoring, rule enforcement, rescue, and customer service to patrons.
- Led red cross life support, rescue, and first aid technique instructional sessions.
- Managed staff and upkeep of pool.

Education

California Polytechnic State University	San Luis Obispo, CA
--	----------------------------

- M.S. in Computer Science, June 2024 (anticipated).
- B.S. in Computer Science, June 2023 (anticipated). GPA: 3.4
- Coursework: Operating Systems; Systems Programming; Computer Vision; Programming Languages; Applied Linear Models; Data Science; Algorithms; Data Structures

Projects

-
- **Quantifying Happiness** (Winter 2022): An analysis (data mining, processing, modeling, validation) of world happiness and its parameters. Using methods such as cross tabulation with multi-parameter plots, and linear and KNN regressions, I determined the most important parameters relating to a country's happiness and built a model that predicted scores based on *The World Happiness Report* with an R^2 of 0.7. Read my report on GitHub [here](https://erikluu.github.io). Python, Sci-Kit Learn, Pandas
 - **Zurf** (Winter 2022): A social platform to view, share, and explore surf spots in San Luis Obispo County. NodeJS, MongoDB, Express, React
 - **Pokémon Game** (Fall 2019): Custom Pokémon game designed and built as an introduction to coding. Play here: <https://erikluu.github.io/Pokemon2019/pokemon2019.html>. p5.js

Additional Experience and Awards

-
- **NCAA Division I Cross Country and Track Athlete** (Fall 2019 – Present)
 - **Central Coast Data Science Fellowship** (Fall 2022 – Present): Implementing clustering methods in R package 'tidymodels' along with local outreach activities including tutoring and talks to high schools regarding Data Science.

Languages and Technologies

-
- Bash, C, Java, JavaScript, MATLAB, Python, R, Racket, SQL
 - AWS, Google Cloud Platform, MongoDB, NodeJS, Numpy, Pandas, PyTorch, React, SciKit-Learn, Spark, UNIX