

Jerome Paliakkara

jeromp@uw.edu
<https://github.com/jerome9189>
<https://linkedin.com/in/jpaliakkara>

1135 NE Campus Parkway
Seattle, WA 98105
(206) 446-4012

Education

University of Washington

Seattle, WA | 2017-2021

- B.S. in Computer Science with Data Science option
- Cumulative GPA: 3.9 Annual Dean's List
- Relevant Coursework:
 - Data Structures and Parallelism (in progress)
 - Object Oriented Programming
 - Linear Algebra
 - Foundations of Computing
 - Software Design and Implementation
 - System and Software Tools

Relevant Experience

- **Data Science Intern | Stealth Startup** **Seattle, WA | January 2019-March 2019**
 - Applied machine learning techniques on clients' internal communication datasets to identify avenues for improving workplace productivity
 - Worked with nearly 1 million text records from a SQL database. Handled querying and dataframe manipulation with vectorized code
 - Bootstrapped labels for unlabeled data using topic models and other heuristic techniques
 - Trained a Bidirectional LSTM model for binary classification using heuristically labeled data to achieve an accuracy of 83% (approximately 12% higher than the baseline result)
- **Research Assistant | University of Washington** **Seattle, WA | March 2018-June 2018**
 - Revamped a web service that visualizes data from solar panels deployed around the University
 - Augmented the flexibility of the user interface by increasing the number of options available to users
 - Used React.js and software tools to enhance the UI and SQL to query data
- **Research Assistant | Elcano Project, UW Bothell** **Bothell, WA | March 2018-June 2018**
 - Implemented physical braking systems for self-driving trikes
 - Prototyped an algorithm for obstacle avoidance that responds to sensor inputs and prevents collision; implemented a simplified version of the algorithm in C++

Personal Projects

- **save-the-trees:** Web-app which motivates people to save trees using positive reinforcement of nature-friendly activities. I created this to practice my skills in Node.js, HTML and CSS.
Link: <https://still-wave-45228.herokuapp.com/index>
- **dragon-slayer:** Alexa skill; a simple turn-based game played using the Alexa Voice User Interface. I created this to better understand REST APIs and to learn Node.js, and then published it to the Amazon store at <https://www.amazon.com/Jerome-Paliakkara-DragonSlayer/dp/B078JKNVLD>
- **scary-dome:** Neural network for predicting benign and malignant(cancerous) breast tumors. I created this to apply my knowledge of neural networks and python.
Repository: <https://github.com/jerome9189/scary-dome>

Skills

- Java (proficient)
- C++ (familiar)
- MATLAB (familiar)
- Python (familiar)
- JavaScript (familiar)
- Node.js (familiar)

Additional Experience/Leadership

- **Founder, President of the Society for the Deceptive Arts**, a student organization for magicians to meet and practice magic/sleight of hand; conducts regular workshops on magic performance, sleight of hand, and showmanship
- **VP of Marketing of Ascend UW**, a chapter of a national non-profit organization that promotes diversity and leadership in professional circles; handles mailing lists and social media for the chapter