

Jerome Paliakkara

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Education

University of Washington

Seattle, WA | 2017-2021

- B.S. in Computer Science with Data Science option (Paul G. Allen School for Computer Science & Engineering)
- Cumulative GPA: 3.94 Annual Dean's List
- Relevant Coursework:
 - Calculus III
 - Differential Equations
 - Discrete Math
 - System and Software Tools
 - Object Oriented Programming
 - Linear Algebra
 - Software Design and Implementation
 - Scientific Computing

Received high school diploma from Delhi Private School, Sharjah, UAE in 2017 with an aggregate score of 97%

Relevant Experience

- **University of Washington | Research Assistant** **Seattle, WA | March 2018-June 2018**
 - Assisted in revamping 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
- **Elcano Project, UW Bothell | Research Assistant** **Bothell, WA | March 2018-June 2018**
 - Assisted faculty in implementation of the hardware design and braking systems for self-driving trikes
 - Responsible for prototyping an algorithm for obstacle avoidance that responds to sensor inputs and prevents collision; implemented a simplified version of the algorithm in C++
- **General Electric | Software Engineering Intern** **Noida, India | June 2017-August 2017**
 - Worked with the team that develops and validates the subsystems of GE Substation Automation software DS Agile
 - Designed and developed a task automation and scheduling software with a GUI using Java/Groovy

Personal Projects

- *save-the-trees*: Web-app which motivates people to save trees using positive reinforcement of nature-friendly activities. Created using Node.js, HTML, CSS.
- *dragon-slayer*: Alexa skill; a simple turn-based game played using the Alexa Voice User Interface. Created using Node.js.
- *scary-dome*: Neural network for predicting benign and malignant(cancerous) breast tumors. Created in Python.

Skills

- Java (proficient)
- JavaScript (familiar)
- Vim (familiar)
- Python (familiar)
- MATLAB (familiar)
- HTML/CSS (proficient)
- C++ (familiar)
- Node.js (familiar)
- L^AT_EX(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