Rahul Maligi

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Education

- **Heritage High School – Rank 7/479 – 4.0 GPA**   **May 2021**
- **University of Texas at Austin – Bachelor's in Computer Science (B.S)**   **May 2024**
- **5 Years** of Computer Science Classes
  - o   Honors & AP Computer Science
  - o   Advanced Computer Science (2nd Year College Level)
  - o   Data Structures & Algorithms, and Discrete Mathematics

Skills & Qualifications

- Windows, macOS, ChromeOS, and Linux Operating Systems
- Microsoft Office and Google Docs Suite
- **Java (5 years), C++ (4 years), Python (3 years)**
- **SQL (2 years), JavaScript (2 years), HTML (2 years), Flask (2 years)**
- Visual Studio, Eclipse, MS SQL Server, MySQL

Work Experience

Acmetek Global Solutions   **June 2020 — August 2021**
Artificial Intelligence (AI) Intern
- o   Worked under **CEO, Mr. Ramesh Nuti**, to improve sales and support company's financial vision
- o   Developed **chat-bots,** and **predictive analysis algorithms** to estimate sales and costs

University of Texas at Dallas   **September 2019 — September 2021**
Artificial Intelligence (AI) Research Assistant
- o   **Researched** under a professor of the University of Texas at Dallas, **Dr. Nicholas Ruozzi**
- o   Designed **original machine learning algorithms** as well as advanced **game bots**

Independent Study and Mentorship Program   **April 2020 — September 2021**
Lead Professional Website Developer
- o   pirtleism.wixsite.com/2021hhsfpn, pirtleism.wixsite.com/2020hhsfpn, pirtleism.wixsite.com/2020mhsfpn
- o   Published main event website using WIX API, and created templates for future websites for this program

TECHROVA Enrichment Club   **June 2020 — September 2021**
Lead Professional Website Developer
- o   techrova.org
- o   Engineered **front end and back end** of website using WIX, JavaScript, HTML, and Transaction APIs

Certifications & Awards

- Business Professionals of America C++ Programming **State Champion** and **National Qualifier**
- Precision Exam **Certifications**
  - o   Computer Technology I, Computer Technology II, Customer Service, Word Processing

Projects

- **Chat-Bot & Sales Analyzer**
  - o   Assembled a chatbot as an AI intern for Acmetek using Python, HTML, JavaScript, and SQL.
  - o   Built from scratch and used to help customers with company products.
  - o   Implemented predictive analysis algorithm with AI using data gathered from previous sales and chatbot to analyze trends and propose a marketing action that will yield the highest income.
- **Stormbound & AI Research**
  - o   Recreated popular game, Stormbound, with Dr. Ruozzi using Python.
  - o   Researched reinforcement learning to develop original deep learning algorithms and neural networks
  - o   Programmed original AI bots using Python, using TensorFlow Keras, ROCm, and other tools.
- **Website Development For Chatbot**
  - o   Created UI/UX for chatbot using CSS, HTML, and JavaScript to integrate into website
  - o   Connected the AI with UI using primarily Flask and supporting libraries
  - o   Deployed Chatbots and SQL databases to Azure for publishing on website
- **Game Development**
  - o   Developed First Person Shooter game using Unreal Engine 4
  - o   Coded a maze game using Java and trained bots using AI algorithms to play game
  - o   Constructed bots using AI to play general board games such as chess, tic-tac-toe, etc