

# Sheikh Abdur Raheem Ali

<http://abdur-raheem.com>

Email : [ali@abdur-raheem.com](mailto:ali@abdur-raheem.com)

Mobile : +1 (604) 790 5369

## EDUCATION

---

- **Stanford University** Palo Alto, CA, USA  
*Advanced Software Systems, Dropped out of the Graduate Program after one Quarter* 2021 – Present
- **American University of Sharjah** Sharjah, UAE  
*Bachelor of Science in Computer Science; Minor in Applied & Computational Math* Sep 2017 – Dec 2020

## EXPERIENCE

---

- **Microsoft** Vancouver, BC, Canada  
*Software Engineer II* Apr 2021 – Present
  - Youngest engineer ever hired to my level in Canada. Typically requires a PhD or equivalent experience.
  - Co-owned impersonation protection in Defender for Office 365. Worked with the FBI, NYPD, U.S DoD to protect 200m+ people against phishing threats. Cut mailbox intelligence false positive rates by 55%.
  - Reduced download time for Substrate (the #2 largest monorepo in MS) from 2-3 hours to  $\approx$  20 minutes. Used by over 10% of all developers at the company and saves at least \$1m per annum.
  - Climbed to rank #14/36,210 members on our internal bug reporting platform. My feedback has been used by 86 teams (including Github Copilot, Bing Chat, Dev Box) to fix issues before they reach customers.*Software Engineering Intern* Jul. 2020 – Apr 2021
  - Built priority accounts. Was asked to stay on contract after the end of my internship until I graduated.
- **SWVL** Swvl Headquarters, Dubai, UAE  
*Quantitative Finance Intern* Feb 2020 – Apr 2020
  - Rewrote the system that prices how much a ride-sharing startup unicorn charges for each transaction.
- **Dubai Electronic Security Center** Cyber Intelligence Lab, University of Dubai, Dubai, UAE  
*ML Research Intern* Dec 2019 – Jan 2020
  - Recruited by the Government's Head of Research & Innovation. Did a 5-week project in my first weekend.
- **American University of Sharjah** Academic City, Sharjah, UAE  
*Research and Teaching Assistant* Sep 2019 – Dec 2019
  - Some interpretability work (generalizing Sobol Sensitivity Indices for models with correlated inputs).

## PROJECTS

---

- **Interpretable Forecasting with Transformers:** Eliciting accurate, well-calibrated, and honest predictions from GPT-4-base. Supported by independent grants and mentored by Nuño Sempere. More details at the [manifund](#) page.
- **PACE Bed Management System:** Sponsored by the Ministry of Health & Prevention to lead a team to create and deploy a tool to visualize and predict pandemic trends using live patient data collected from 1849 beds at 17 hospitals.

## AWARDS & SCORES

---

- **2<sup>nd</sup> place (USD 35,000) @ HITB+ CyberWeek AI Challenge:** Captain of a team including students from Harvard and UToronto that used genetic algorithms to modify existing malware to defeat virus detection agents.
- **Full Scholarship @ European Summer Program on Rationality:** Invited to the UK to attend seminars on topics related to applied mathematics, AI safety, and cognitive science. Taught by ex-Google employees and MIT graduates.
- **Perfect Score @ ACT:** First attempt. Out of 2.03m students who took the 2017 ACT, about 2000 got a full 36/36.

## SKILLS

---

- Programming, Prompting, Platform Scaling, Probability, Profiling, Post-Production, and Personalization