

AARON J PARK

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EDUCATION

The University of Texas at Austin – Austin, TX **December 2025**

Bachelor of Science in Computer Science - Machine Learning & Artificial Intelligence Track, GPA: 3.77

Texas A&M University – College Station, TX

August 2022 – May 2023

Bachelor of Science in General Engineering, GPA: 4.00

Relevant Coursework: Data Structures, Computer Organization and Architecture, Programming Fundamentals (I & II), Discrete Mathematics, Engineering Calculus (I, II, & III), Linear Algebra, Statistical Methods

TECHNICAL SKILLS

Programming Languages & IDE: Python, Java, C, C++, SQL, Swift, HTML, CSS, JavaScript; Visual Studio Code, PyCharm

Software Skills: Git, GitHub, Unity, Ubuntu, MATLAB, Simulink, Microsoft Office 365

CAD & Graphics Software: SolidWorks, OnShape, Fusion 360, Adobe Photoshop, Adobe Illustrator, Final Cut Pro, Canva

Languages: English (fluent), Korean (fluent), Japanese (conversational)

Other Skills: Project Management, Marketing, Human Resources, Recruitment, Social Media Management, Technical Writing

EXPERIENCE

The University of Texas at Austin Stephen Yi Laboratory – *Research Assistant Intern*; Austin, TX **December 2023 – Present**

- Design and implement a cutting-edge application focused on automating cell type labeling in spatial images, leveraging multi-omics data integration to achieve superior accuracy
- Collaborate closely with Stephen Yi Laboratory team to ideate, develop, and optimize predictive models for cell type identification utilizing spatial biology data, fostering collaborative innovation and advancement

Voithru – *Senior Content Translator*; Remote

October 2019 – Present

- Translate an average of 13+ hours of Massive Open Online Course (MOOC) lectures per week between Korean and English
- Provide review and verification of translation work as required, including spotting errors in punctuation, grammar, and translation, reducing 97% of errors in mistranslation
- Developed and implemented comprehensive guidelines and rules to standardize translation work, ensuring consistency and quality across all projects

Texas A&M University Sketch Recognition Lab – *Research Assistant Intern*; College Station, TX

May 2022 – May 2023

- Participated in a research project to reduce errors of Computer Vision (CV) in poor conditions like interreflection, clutter, occlusion
- Review scholarly papers before being published to The Association for the Advancement of Artificial Intelligence Conference

Ram Store – *Sales Associate*; College Station, TX

October 2021 – May 2023

- Increased sales by 20% by analyzing customer behavior using correlation between store dwell-time, age, and sex with R (coding)
- Directed annual uniform donation events & fundraisers for Student Government by designing Student Council spirit shirts
- Communicated with customers weekly, updating them about new products and upselling promotional merchandise via Newsletter

EXTRACURRICULAR / COMMUNITY INVOLVEMENT

Texas A&M University Aggie Robotics Club – *Robotics Software Lead Developer, Public Relations Officer* **June 2021 – Present**

- Develop Object-Oriented backend API in C++ and the Graphic User Interface (GUI) of the VEX V5 Brain
- Implemented Pure Pursuit, A* Path Finding, and PID tuning algorithms and programmed Front-End API for autonomous and driver control macros of 4 robots during 2021-2022 VEXU Competition – Tipping Point
- Create promotional videos/posters/flyers, manage social media, and host outreach events to promote the club to potential members and corporate sponsors; recruited 70+ members during the MSC Open House (Club Fair) and secured \$12K sponsorship

Learn To Be / UPchieve – *Certified Academic Tutor*

March 2020 – Present

- Tutor students from disadvantaged backgrounds (low-income students & international students whose first language is not English)
- Host online math competitions with 100+ participants to promote academic interest among students
- Host workshops regarding study strategies, note-taking skills, and approaches to answering exam questions
- Certified in 11+ subjects including but not limited to Calculus, SAT Math & Reading, Integrated Math 4, and Computer Science

Texas A&M University Aggie Coding Club – *Back End Software Developer*

August 2022 – May 2023

- Developed an app that coordinates multiple Texas A&M University Bus routes on a single trip and provides ETA to users using AI
- Participated in various Kaggle competitions utilizing ML, TensorFlow, OpenCV, PyTorch, NumPy, Pandas, Scikit-learn libraries
- Orchestrated project management, team administration, and scheduling utilizing Gantt chart methodologies for enhanced productivity and organization.

HONORS / AWARDS / CERTIFICATIONS

2022 VEX-U Robotics Competition Tournament Champion – University Division - 1st Place

2022 VEX-U Robotics Competition Skills Champion – University Division - 1st Place

2022 VEX-U Robotics Competition Excellence Award – University Division - 1st Place

2022 Texas A&M University Major League Hacking Datathon Hall of Fame Award

Massachusetts Institute of Technology – Autonomous Cognitive Assistant 2022

Massachusetts Institute of Technology – Version Control: Git & GitHub 2022

Harvard University CS50X – Introduction to Computer Science Certificate

Harvard University CS50AI – Introduction to Artificial Intelligence with Python Certificate