

# Alexander Parks

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<https://www.cs.utexas.edu/~aparks/>

## EDUCATION

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**The University of Texas at Austin**, Austin, TX

August 2021 - May 2025 (expected)

*Bachelor of Science, Computer Science and Mathematics*

- GPA: 3.879
- Relevant Coursework: Data Structures, Software Engineering, Computer Organization and Architecture, Linear Algebra and Matrix Theory, Geometry of Space (FRI), Probability I, and Differential Equations with Linear Algebra

## SKILLS

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**Technical /Computer Skills:** Familiar with Java, C, Python, HTML, CSS, Git, GitHub, GitLab, Postman API, VS Code, Microsoft Word, and Microsoft PowerPoint; Exposed to TypeScript, React, Flask, SQL, PostgreSQL, SQLAlchemy, Pandas, Matplotlib, Plotly, Amazon Web Services (AWS), Google Cloud Platform (GCP), and Microsoft Excel

**Languages:** Fluent English, Basic Spanish

## PROJECTS

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### [DietRiot Web Application](#)

- Built and deployed a React web application to provide users with recipe and diet information
- Utilized HTML, CSS, and TypeScript to create model pages and instance cards for each recipe or diet
- Constructed a RESTful API using Postman and generated over 40 unit tests for the API and web application

### [Personal Portfolio Website](#)

- Designed and created a personal portfolio website using HTML for page content and CSS for styling
- Enhanced my original site by implementing HTML elements such as images, headers, and anchors

### **Memory Management System**

- Designed and developed a dynamic storage allocator in C to mimic the malloc() and free() functions used for memory management
- Utilized bitwise operators and linked lists to ensure the alignment, padding, and efficient allocation of memory

## EXPERIENCE

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**Chick-fil-A**, Houston, TX

June 2022 – August 2022

*Delivery Driver*

- Delivered Chick-fil-A products to over 500 customers in the Houston area with a 95% on-time rate
- Dispatched a team of 3-5 delivery drivers based on in-store and delivery activity levels
- Maintained a safe and clean work environment, both in-store and while making deliveries

**U.S. Soccer Federation**, Houston, TX

August 2016 – December 2021

*Soccer Referee*

- Enforced the laws of the game in over 500 recreational and competitive soccer matches in the Houston area
- Maintained a safe and controlled game environment for all players, coaches, referees, and spectators

## LEADERSHIP & COMMUNITY INVOLVEMENT

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**Computer Science Transfers' Society (CSTS)**

August 2021 - Present

*Treasurer, Member*

- Planned and allocated funds for biweekly events, such as transfer application and professional workshops and organization-wide socials
- Designed, acquired, and distributed merchandise to over 50 active members
- Authored and distributed an annual prospectus for both current and potential corporate sponsors

**Texas Iron Spikes**

August 2021 - Present

*Administrative Officer, Member*

- Designed, acquired, and distributed merchandise to over 100 active members
- Collected and managed over \$5,000 in purchase orders from members before distributing merchandise
- Engaged in a variety of service events and projects, such as park cleanups, gardening programs, and meal drives

## HONORS AND AWARDS

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- Hispanic Scholarship Fund Scholar Fall 2020, Fall 2021, Fall 2023
- University Honors Fall 2021, Spring 2022, Fall 2022, Spring 2023
- National Merit Commended Scholar Fall 2020
- National Hispanic Scholar Fall 2020
- AP Scholar with Distinction Spring 2020, Spring 2021