

# Zachary Chi

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## EDUCATION

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### Texas A&M University

B.S. in Computer Science - GPA: 3.7/4.0

College Station, Texas

August 2019 - (Expected) May 2023

## SKILLS

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**Languages:** C++, Python, Java, HTML4/5, CSS, JavaScript, Haskell

**Tools and Technologies:** Git, Visual Studio, Excel, Slack, Figma, Make, Teams, PowerShell, Android SDK, React Native

## WORK EXPERIENCE

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### SoloStarr LLC

Frontend Developer Intern

Katy, Texas

May 2020 - August 2020

- Designed wireframes and prototypes based on goals for the App with a team of 5 using Figma
- Implemented final layouts using Java, JavaScript, React Native, Node.js and Android SDK
- Communicated and worked with product managers and backend developers to meet needs
- Worked successfully with diverse group of coworkers to accomplish goals using GitHub and Slack

### Nestle Toll House Cafe

Shift Lead / Key Holder

Katy, Texas

April 2017 - July 2019

- Mentored staff to enhance skills and achieve daily targets, using hands-on leadership
- Provided efficient and cordial service, delivering a comfortable atmosphere for customers
- Maintained inventory accuracy by counting stock-on-hand and reconciling discrepancies

## PROJECTS

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### Boids - C++, SFML, Git/GitHub

[GitHub Link](#)

- Researched and replicated real-life fish behavior according to external factors
- Provided an abundance of options to visualize and understand fish behavior better
- Emphasized visuals, clean UI/UX, optimization, and audio for enthralling results
- Conducted rigorous backend testing to ensure both realistic and steady results

### Butterfly Effect - C++, SFML, Git/GitHub

[GitHub Link](#)

- Employed multimedia libraries in C++ to create double pendulums
- Many options included which presents double pendulums in different ways, including the "Butterfly Effect", which creates mesmerizing results and showcases their chaotic nature
- Adapted and optimized multiple dynamic coloring algorithms
- Designed with UI/UX in mind, allowing a professional look overall with easy-to-use controls

### Personal Website - HTML5, CSS3, JavaScript

[Link](#)

- Engineered a fully responsive personal website to work with all platforms in order to highlight professional aspirations

### Interpreted Language W - Haskell

[GitHub Link](#)

- Used functional programming to craft my own interpreted language called "W"
- Gave Haskell the ability to interpret and execute '.w' files based on W's grammar
- Included the ability to execute while loops, if-else statements, math operations, and more