

# Zachary Chi

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## EDUCATION

**Texas A&M University**  
B.S. in Computer Science *GPA: 3.7/4.0*

College Station, Texas  
August 2019 - (Expected) May 2023

**Cinco Ranch High School**  
High School Diploma

Katy, Texas  
2015 - 2019

## PROJECTS

**Boids** C++, SFML, Git/GitHub <https://github.com/Zachhi/FlockingBoids-Windows-Linux>

Researched and replicated real-life fish behavior according to plenty of external factors, providing an abundance of options to visualize and understand their actions better. Emphasis on visuals for enthralling results, a clean UI/UX design, optimization, and relaxing audio performed by me. Rigorous backend testing to ensure both realistic and steady results.

**Butterfly Effect** C++, SFML, Git/GitHub <https://github.com/Zachhi/DoublePendulum-ButterflyEffect-Windows-Linux>

Employed multimedia libraries in C++ to evoke double pendulums and a multitude of ways to present them. Several different options for this are included, such as the "Butterfly Effect" which creates mesmerizing results and showcases their chaotic nature. Complete with multiple dynamic coloring algorithms, easy and intuitive controls, optimizations, and a nice OOP structure.

**Personal Website** HTML5, CSS3, JavaScript <https://zacharychi.com/>

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

**Interpreted Language W** Haskell <https://github.com/Zachhi/InterpretedLanguage-W>

Utilized functional programming to craft my own interpreted language called "W", in which Haskell interprets and executes a '.w' file based on the language's grammar. Ability to execute while loops, if-else statements, operations, and more.

More projects at: <https://github.com/Zachhi>

## WORK EXPERIENCE

**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.

## SKILLS

Languages:	C++ (8/10), Python (7/10), Java (6/10), Haskell (4/10), HTML4/5 (8/10), CSS1/2/3 (8/10), JavaScript(4/10)
Tools and Technologies:	Git, Visual Studio, Excel, Slack, Figma, Make, Teams, PowerShell, Android SDK, React Native