

Timothy Gallagher

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EDUCATION	University of Notre Dame	Notre Dame, IN
	Bachelor of Science in Computer Science Minor in Engineering Corporate Practices	GPA 3.80, May 2022
	Notre Dame Engineering Summer 2019 Abroad	May 2019-July 2019, Rome, Italy

ENGINEERING EXPERIENCE

GCM Grosvenor	Chicago, IL
<i>Software Developer Intern</i>	June 2021-August 2021

- Developed C# applications that **reduced the risk** of the company's business processes, improved internal data transfer between teams, and shortened the length of the Quarter End AUM Calculation period from **26 days to 17 days**
- Worked on an **agile** team of developers to write, review, and maintain code to improve the company's business processes
- Contributed to my team's bi-weekly sprint review and planning meetings, which helped my team **reach its long-term goals**

KnowYourVote.io	Washington, DC / Virtual
<i>Software Developer Intern</i>	March 2020-August 2020

- Utilized React.js to build **professional quality webpages** for the site's launch: Site: <https://www.knowyourvote.io/>
- Collaborated with other developer Interns to complete **Quality Assurance** checks to ensure professional quality work
- Developed various **Python scripts** to collect policy data on 1000+ congressional and gubernatorial candidates

Computer Science 4 Good	Notre Dame, IN
<i>Project Leader</i>	Fall 2018-Present

- Lead a team** of developers in creating a website for a local non-profit from project inception to project completion
- Developed a **modern and reactive frontend and fully functional database** for our partner non-profits' website

SOFTWARE PROJECTS – GitHub: <https://github.com/Tgall1999>

Restaurant Online Ordering Platform	May 2021
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- Developed a fully functional online ordering platform for my dorm's restaurant using HTML, CSS, PHP, and MySQL
- Automated the placing and tracking of orders, **resulting in a doubling of the restaurant's daily revenues**

Personal Website	June 2020
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- Utilized online resources to teach myself HTML, CSS, JavaScript, and React.js.
- Created a professional and responsive** website where I display my resume and experiment with web development ideas

C Web Client and Server Project	May 2020
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- Designed and implemented a web client and server from scratch using **C Socket Programming, and hosted it in the cloud**

Snake Game	December 2019
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- Developed an interactive snake game using C++ utilizing **multiple classes**, graphical **libraries**, and user-defined **functions**
- Enabled users to play against each other in real time and compete for the high score

Stock Market Simulator	April 2019
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- Utilized Python** to develop an algorithm to predict a stock's closing price with higher accuracy than professional algorithms

Library Catalog App	December 2017
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- Developed a library catalog app that can run on **Android or iOS using React Native**
- Tested the app in the school's library with real books and students

LEADERSHIP

Notre Dame Class of 2022	Notre Dame, IN
<i>Class President</i>	Fall 2018-Present

- Represented the Class of 2022** in all affairs related to campus life, the university's administration, and other concerns
- Lead the fundraising of over \$50,000 of the class's budget to be used on events that promote class unity
- Planned and managed social, spiritual, and fundraising events for the class of 2022 during our four years on campus

Dorm Community	Notre Dame, IN
<i>Head of Alumni Outreach, Welcome Weekend Captain, and Social Commissioner</i>	Fall 2018-Present

- Established the first ever O'Neill Newsletter, which is used to keep the dorm's alumni updated on dorm events
- Developed a new way to contact alumni and obtain more donations than ever before
- Planned and oversaw events with over 500 people and \$1,000s worth of supplies

SERVICE

Notre Dame Urban Plunge - Philadelphia	Philadelphia, PA
<i>Team member</i>	November 2019-March 2020

- Discussed the topic of urban poverty, as well as its causes and solutions, in a seminar setting
- Lived with, engaged in conversation with, and assisted charities in Philadelphia, such as Sarnelli House

SKILLS	C++, C#, Azure DevOps, Java, Unix, Python, bash, HTML, JavaScript, CSS, C, React Native, MATLAB, Verilog Hardware Description Language, Conversational Mandarin, Advanced in Microsoft Excel
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INTERESTS	Basketball, Baseball, Football, Traveling, Hiking, Movies, Board Games, Golf, Ping Pong
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