

Timothy Gallagher

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EDUCATION	University of Notre Dame	Notre Dame, IN
	Bachelor of Science in Computer Science Minor in Engineering Corporate Practice	GPA 3.77
	Notre Dame Engineering Summer 2019 Abroad	May 2019-July 2019, Rome, Italy

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

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

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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- Developed an algorithm that predicted a stock's closing price with higher accuracy than some professional algorithms.

Maze Game	May 2019
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- Utilized Verilog to create virtual hardware on an Altera Board to run an interactive maze game real time user input.

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

ENGINEERING EXPERIENCE

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

- 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.

US Department of Homeland Security, Cybersecurity and Infrastructure Security Agency	Washington, DC / Virtual
<i>Software Intern</i>	May 2020-Present

- Worked in collaboration with project leads to write scripts and performed other software tasks to help DHS.

Teaching Assistant	Notre Dame, IN
<i>Case Studies in Computer Based Entrepreneurship</i>	August 2020 - Present

- Assisted the professor with grading and other work needed to smoothly run a course about CS and entrepreneurship.

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 the front-end framework for our two chosen non-profits, Imani Unidad and Chiara Home

Abington Technology Department	Abington, PA
<i>Tech Intern</i>	June 2017-August 2017

- Assisted in building the department's network of over 700 new laptop, desktops, and other devices.

LEADERSHIP

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

- Managed the fundraising and spending of over \$25,000 of the class's budget.
- Represented the Class of 2022 in all affairs related to campus life and other concerns.
- Planned social, spiritual, and fundraising events for the class of 2022 during freshman and sophomore year.

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++, Java, Unix, Python, bash, HTML, JavaScript, CSS, C, React Native, MATLAB, Verilog Hardware Description Language, Conversational Mandarin, Processing (Animation Software), Advanced in Microsoft Excel
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INTERESTS	Basketball, Baseball, Football, Traveling, Hiking, Movies, Board Games, Golf, Ping Pong
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