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 3.77
	Notre Dame Engineering Summer 2019 Abroad	May 2019-July 2019**,** Rome, Italy

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

Personal Website   June 2020
- 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
- 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
- Developed an algorithm that predicted a stock's closing price with higher accuracy than some professional algorithms.

Maze Game   May 2019
- Utilized Verilog to create hardware that could be implemented on an Altera Board to run an interactive maze game with visuals, sound, and real time user inputs.

Library Catalog App   December 2017
- 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
Software Developer Intern   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.

Teaching Assistant   Notre Dame, IN
Case Studies in Computer Based Entrepreneurship   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
Project Leader   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
Tech Intern   June 2017-August 2017
- Assisted in building the department's network of over 700 new laptop, desktops, and other devices.
- Managed the installation of 100s of new desktops and laptops in each of the district's nine schools.

LEADERSHIP

Notre Dame Class of 2022   Notre Dame, IN
Class Secretary   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
Head of Alumni Outreach, Welcome Weekend Captain, and Social Commissioner   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 that ever before.
- Planned and oversaw events with over 500 people and $1,000s worth of supplies.

SERVICE

Notre Dame Urban Plunge - Philadelphia   Philadelphia, PA
Team member   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
INTERESTS	Basketball, Baseball, Football, Traveling, Hiking, Movies, Board Games, Golf, Ping Pong