

HENRY FOSTER

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EDUCATION

Dartmouth College , Hanover, NH <i>Bachelor of Arts: Intended Major, Computer Science and Economics</i> <ul style="list-style-type: none">• Relevant Coursework: Problem Solving via Object-Oriented Programming in Java, Software Design and Implementation in C, Macroeconomics	June 2021 GPA 3.83/4.0
Pre-College Summer Program Harvard University, Cambridge, MA Introduction to Web Programming: learned the fundamentals of web-based programming and database functionality	July 2016
National Security & Counterintelligence Institute Program Georgetown University, Washington, D.C. Investigated issues regarding homeland security, cyber security, drug trafficking, and arms proliferation	July 2014
Greenwich High School , Greenwich, CT Honors: National AP Scholar, National Merit Commended Student, NFF McDougal Scholar Athlete	June 2017 GPA 4.83/4.0

TECHNICAL COMPETENCIES

Computer Programming:
Proficient in Java, HTML, JavaScript, jQuery, PostgreSQL
Familiar with C, Git, Linux Bash Shell, AWS Lambda, PHP, Python, CSS, Bootstrap, Processing 3, p5.js
Other Computer Skills: Proficient in Microsoft Office suite, WordPress, Adobe Illustrator
Language: Mandarin Chinese (Conversational)

WORK & PROJECT EXPERIENCE

World Citizen LLC , Greenwich, CT <i>Independent Consultant & Digital Designer</i> <ul style="list-style-type: none">• Worked with startup CEO to develop fundraising business presentation, which successfully secured \$500,000• Advised company founder regarding creating a website and interpreting a complex financial spreadsheet	Dec 2017-Jan 2018
Greenwich Country Day School , Greenwich, CT <i>Technology Assistant</i> <ul style="list-style-type: none">• Assisted twenty separate 7th and 8th Grade Computer Science classes of approximately fifteen students• Guided students to create their own app through paper prototyping and using an “App Builder”• Utilized Python library, PyAutoGUI, to create lessons focused on “White Hat Hacking”• Collaborated with Database Administrator to plan the Computer Science curriculum for grades 9-12	Nov 2017-Jan 2018
Greenwich High School Graduation Project , Greenwich, CT <i>Sole Developer – Project available here</i> <ul style="list-style-type: none">• Utilized scalable architecture through Heroku to host a multiplayer, web-hosted, interactive word game• Developed the layout, transitions, and information transfer between pages• Researched and learned Java Servlet technology, as well as the logistics of web-hosting• Created customized Java Servlet supporting multiple games and players simultaneously• Utilized JQuery AJAX to create a client-side HTML page to communicate with the server• Wrote and debugged over 2,500 lines of combined Java, JavaScript, HTML, and CSS code	May 2017-Jun 2017
International Business Alliance Program , Greenwich, CT <i>Media Chair – Team website here</i> <ul style="list-style-type: none">• Partnered with irrigation farmer in Northern Nigeria to improve the productivity of his business• Secured over \$10,000 as a private sponsorship liaison• Developed a three-step approach for farm development through nitrogen fixation, composting, and drip irrigation• Redesigned accounting strategy to increase financial efficiency	Oct 2014-Jun 2017

ADDITIONAL ACTIVITIES

Dartmouth Hackathon , Hanover, NH <i>Developer – Organization website here</i> <ul style="list-style-type: none">• Organized the 4th annual Dartmouth Hackathon in which over 250 students from across the nation learned, hacked, and created for a weekend• Taught a web-development workshop to thirty Dartmouth students• Presented a workshop focused on Amazon Alexa programming using AWS Lambda to forty undergraduate students	Sep 2017-Present
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