STEPHEN HANNON

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stephen-hannon.github.io

Computer science student interested in front-end development and user experience design

Education

University of Notre Dame
Aug. 2017 – May 2021
Notre Dame, IN

- Major GPA: 4.00 / 4.00
- Overall GPA: 3.89 / 4.00
- Pursuing a BS in Computer Science with a minor in Collaborative Innovation
- Relevant Courses: Theory of Computing · Design Research · Open Source Development · Programming Paradigms · Operating Systems · Compiler Design · Interaction Design · Programming Challenges · Visual Communication Design · Computer Architecture · Data Structures · Design Thinking · Logic Design · Embedded Systems
- Courses in progress: Algorithms · Ethics · Human–Computer Interaction · Modern Web Development · Computer Networks

Awards & Honors

- Dean's List (Spring 2020; Spring 2019; Spring 2018; Fall 2017)
- Deloitte Prize for Best Underclassmen Contribution, AT&T Irish Hacks Hackathon (November 2018)

Skills

Languages	Tools
JavaScript & TypeScript	Angular
Python	Vue.js
C	React & React Native
C++	WordPress
CSS & SCSS	Git
HTML	Vim
Java	RxJS
Bash	Unix shell
LaTeX	jQuery
Scheme	
Verilog	**Software**
MATLAB	Photoshop
	InDesign
	Illustrator

Relevant Employment

Software Development Intern   Summer 2018; Winter 2018–19; Summer 2019
VacayHome Connect   Chicago, IL

- Worked with a team developing and designing a new online admin portal to be used by vacation rental property managers
- Used Angular as a front-end framework, as well as TypeScript, SCSS, and HTML, to create a scalable, intuitive, and maintainable system
- Incorporated Agile and Scrum methods for project management

Lead Software Developer   May 2020 – *present*
Software Developer   Jan. 2020 – May 2020
Eventurely   Notre Dame, IN

- Work with a team of students developing an app to connect students with campus events that interest them
- Building an iOS/Android app using React Native, Firebase, and Expo

System Administrator   Nov. 2019 – *present*
Associate Sports Editor   April 2019 – *present*
Production Staffer   Aug. 2017 – *present*
The Observer   Notre Dame, IN

- Manage WordPress site and eight office computers for Notre Dame's daily newspaper, while also providing other technical assistance as needed
- Edit stories for accuracy, grammar, and style, and design and lay out pages for print
- Communicate well with writers and editors and train new members
- Work efficiently under a deadline and be flexible to change

Projects

Flexible (stephen-hannon.github.io/flexible)
Vue.js, HTML, & SCSS web application for Notre Dame students to monitor spending of meal plan money called Flex Points. Generates a chart displaying spending over the semester.

Brick a Pic (brick-a-pic.github.io)
Web app that takes an image and converts it to a Lego mosaic. Built with Vue.js and open-source development practices.

B Minor compiler
Full compiler written in C for a programming language called B Minor similar to C, with first-class strings, optional type inference, and strict typing. The compiler comes with pretty-printing, type-checking, and x86 assembly code generation.

2018 Irish Hacks Hackathon team project
Web application that allows ambulance drivers in Ghana to see the closest hospitals and how many available beds they have. Built with Vue.js, Firebase, the Google Maps API, and Material Design Lite.

Web server and client group project
Command-line web server built in C using only the standard library and system calls as a final project for my Systems Programming class, along with a basic Python web client