

# Antony Drew Norman

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## Summary

A motivated, quick-learning computer programmer specializing in full stack development and cloud-native technologies; adept at a variety of programming languages; comfortable with a number of industry-standard frameworks; and capable of effective communication in a fast-paced, team-oriented environment.

## Education

### Western Kentucky University (WKU) | Bowling Green, KY

#### *BS in Computer Science*

- Graduate of the Honors College at WKU
- Accomplished member of the Chinese Flagship Program for five semesters
- Date of Graduation: May 2017
- Major Coursework:
  - Computer Science I-III, Intro to Database, Computer Organization and Architecture, Numerical Analysis I, Data Structure and Algorithm Analysis, Intro to Web Programming, Programming Languages, Operating Systems I, Intermediate Software Project, Software Engineering
- Related Coursework:
  - Calculus I, Calculus II, Multivariable Calculus, Differential Equations, Intro to Linear Algebra, Probability and Applied Statistics

## Experience

- Expert in JavaScript/TypeScript, PHP, and Go
- Proficient in Python, Rust, C++/C, Java, and Bash
- Efficient in creating and maintaining React/React Native/Redux and Vue/Vuex applications
- Versed in RESTful API development, specifically with Node/Express, PHP/Laravel, and Go
- Effective with many web frameworks including Next/Nuxt, Express, Laravel, and Flask
- Practiced in more niche web technologies like WebGL, WASM, and WebSockets
- Adroit at developing unit tests with native language tools and many popular testing libraries
- Confident in versioning with Git using a variety of branching patterns and workflows
- Comfortable overseeing interactions with MySQL, Redis, MongoDB, and similar services
- Accomplished in local application development and testing with Docker and Docker Compose
- Skilled in setting up and monitoring container-based CI/CD pipelines
- Familiar with container orchestration and monitoring using Kubernetes
- Adept at maintaining cloud infrastructure as code via GitOps with Terraform
- Experienced in monitoring and managing Google Cloud resources
- Deft with jQuery, Bootstrap, Foundation, and templating with Pug/Twig/Svelte
- Capable of producing functional prototypes from InVision and Adobe XD mockups
- Productive in Linux, Mac, and Windows environments

## Employment

### **February 2020 – Present: Full Stack Developer**

*FoxFuel Creative, Nashville, TN*

- Develop responsive, engaging web applications per client requirements
- Construct SPAs characterized by a global state with unidirectional data flow
- Oversee incorporation of ES6 and Vue SFCs via Webpack with Babel
- Dockerize local development within various project structures
- Set up unit testing scaffolding and create minimum test coverage for SPAs
- Introduce server-side testing of internal classes and API controllers with PHPUnit
- Create safe and robust RESTful APIs to handle various application data requests
- Maintain several VPSs and the numerous associated accounts, data, and jobs
- Provide API integrations with Google, Shopify, Stripe, and Instagram
- Stage and release applications following comprehensive end-to-end testing
- Debug production instances and apply hotfixes after developing regression tests
- Update ES6 modules and their usages to ensure dependencies' reliability
- Design and implement a custom Laravel/Vue framework for future web applications
- Instigate Git branching strategies to encourage purposeful merging and a clearer history
- Add and update BEM/SMACSS-based SCSS styling to accommodate specifications
- Integrate and customize Foundation/Bootstrap components and utilities

### **February 2017 – January 2020: Full Stack Developer**

*The Center for Innovative Teaching and Learning at WKU, Bowling Green, KY*

- Designed, implemented, and maintained a minimalist, customizable PHP framework
- Oversaw the design and development of a robust, centralized testing suite
- Maintained and monitored different long-term storage services across many environments
- Generated reports from data across many datasets using complex, multi-step queries
- Preserved applications' security in regularly auditing adherence to the latest best practices
- Built different APIs to allow authorized access and manipulation of specific data domains
- Developed a robust JavaScript front-end system to simplify component data hydration
- Migrated CSS styles to Bootstrap classes in upgrading and simplifying our framework
- Introduced new libraries, tools, and resources, keeping systems and best practices up-to-date
- Trained and supervised student web developers in our framework, conventions, and workflow
- Lead code reviews to enforce standards and maintain the integrity of our codebase

### **June 2016 – February 2017: Student Web Developer**

*Distance Learning at WKU, Bowling Green, KY*

- Created features, fixes, and tests in constructing and maintaining application-specific APIs
- Developed responsive, user interfaces with JavaScript/JQuery/AJAX/HTML/CSS
- Contributed with Git according to each repository's branching strategy
- Staged, released, and updated applications hosted via IIS

## References

Steven Kirtley | Web Developer, *WKU Information Technology Services*  
(270) 745-2823

Alicia Pennington | Instructional Designer II, *WKU CITL*  
(270) 745-4057

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