Alexander T. Ertel

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I'm looking to apply and deepen my experience in a full-stack position with opportunities
to branch into new languages and technologies.

EDUCATION

The George Washington University   2016
- Double Major in Computer Science and Psychology

Sacred Heart University   2011
- Object-oriented programming course

WORK EXPERIENCE

Software Engineer, Synexxus Inc.   November 2017 – Present

- Lead developer/designer on internal tool to manage hardware production pipeline, history of products and their testing, work orders, and deployment state using Typescript, Angular 8, Java, Maven, Spring, and MySQL

- Maintained and designed new features for existing Backbone/Maven application for remote diagnostics and control of transformer substations using JavaScript, Backbone, Java, Maven, Spring, and MySQL

- Designed and created new version of application for remote diagnostics and control of LED streetlight infrastructure using Typescript, Angular 6, Java, Maven, Spring, and SQLite

- Updated sensor data parsing and display applications for military vehicle diagnostic platform using Java

- Wrote application for listening to and displaying power usage of processors sent over CAN bus using C++ and Qt

- Added features to hardware configuration tool using C++ and Qt

- Expanded internal tool to listen for, display, mock, and save CAN bus data using C++ and Qt

- Designed and implemented Gnome extensions to customize Debian distro in military vehicle project using JavaScript bindings to Gnome's C APIs

- Website UI / UX design for new and existing applications

- Designed and implemented MySQL and SQLite databases for new projects and migrated changes into existing ones

- Managed small teams on products where I performed lead developer roles

- Worked directly with clients to gather feedback and plan features for future work

Software Developer, Akira Technologies, Inc.   May 2015-October 2017
- Created a site for HR performance tracking using Angular, MongoDB, NodeJs, Agile methods
- Project lead/developer for sales tool, workflow automation, delivered and maintained tool in active use by team, Angular, MongoDB, NodeJs
- Created and maintained new and old pages for company's Wordpress site in HTML, CSS
- Wrote and tested JavaScript utilities and Wraith checking for site QA
- Developed UI functionality for existing Drupal site, served as technical go-between for client, JavaScript, JQuery, PHP, HTML, CSS
- Testing and QA of new features for existing site

Sarah Fey Design   Summer 2014
- Redesigned and updated existing site to improve user experience, HTML and CSS

SKILLS

Languages
- JavaScript, Typescript, Java, C++, SQL, HTML, CSS

Technologies and Libraries
- Angular, Spring, Maven, Node.js, MySQL, SQLite, Jenkins, JOOQ, Qt, Chart.js, Leaflet, Chartist, Express, Bootstrap, PhantomJS, and more

Miscellaneous
- Agile, Git, SVN, AWS, Azure, Atlassian Jira and Confluence, Office 365

Hardware
- Experience building computers, troubleshooting, maintenance, server hardware

Operating Systems
- Proficient with Linux, Windows, and MacOS

PROFESSIONAL ORGANIZATIONS

Theta Tau Professional Engineering Fraternity
- Positions held: Professional Development chair, role of organizing events designed to educate student members on proper professional behavior and prepare them for the working world