**Tony Lockhart**

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Github: https://github.com/tlockhart/

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Portfolio: https://tlockhart.github.io/portfolio/

Full Stack Developer and Machine Learning Enthusiast with a proven track record of creating innovative learning solutions and integrating advanced technologies. Holds a B.S. in Computer Science, an M.S. in Digital Media, and a Full Stack Web Development Certificate. Skilled in AI-driven solutions, data analysis with Python, and front-end development using TypeScript, JavaScript, and the MERN stack (MongoDB, Express, React, Node.js).

*Technical Skills:* TypeScript, JavaScript, jQuery, Python, Pandas, CSS3, HTML5, Bootstrap 4, Media Queries, APIs, JSON, REST, AJAX, Node.Js, Express, React.Js, Redux, PowerShell, Firebase, MongoDB, MySQL, DB2, Git, GitHub, Unix, Docker, User Experience Testing, Figma, Adobe Creative Suite.

**RELEVANT EXPERIENCE**

**Pearson Education**, Atlanta, GA

*Creative Technologist,* 2021 - Present

* Developed Conversation AI language learning application to assess language proficiency.
* Created interactive prototypes and flows for the Revel immersive learning platform.
* Created placement test prototypes for Mondly language learners.
* Created student 3D interface for MyLab and Mastering platform with React Three Fiber.
* Developed routing and components for the Endeavor prototyping management platform.
* Endeavor Microsoft Single Sign On (SSO) integration, with D3 lazy loading org chart.

**Levvel**, Atlanta, GA

*Engineering Consultant,* 2021 –2021

* Enhanced the Lineage Automated Warehouse Management System’s Dynamic Dashboard.
* Extraction, integration, and migration of legacy applications into the modern WMS platform.

**High Tide Technologies**, Atlanta, GA

*Junior Full Stack Developer,* 2019 - 2021

* Developed D3 class representations of Scada devices for dashboard display.
* Created dashboard element trigger forms, to set event triggers for installations.
* Created dashboard element report forms, to request device readings, by time period.
* Enhanced JSON Web Token (JWT) authentication, with forced password reset.
* Refactored application controller to validate and respond to SMS commands.
* Performed Unit and Acceptance testing in RSpec and QUnit.
* Converted legacy code to Ember 3.24, TypeScript, and ES6 standards.
* Development and testing in docker backend containers, with AWS DynamoDB and MySQL images.

**General Dynamics**, Atlanta, GA

*Systems Engineer,* 2011 - 2019

* Developed Alert Logic/BitDefender batch installation scripts for WTCHP environments.
* Developed PowerShell installation and report generation scripts for DISA Security Technical Implementation Guides (STIGs) security compliance check.
* Developed Microsoft (MS) Active Directory security reports Java translation scripts.
* Created Groovy data validation scripts for claims payment processing.

**Georgia Gwinnett College**, Lawrenceville, GA

*Digital Media Professor*, 2012 - 2014

* Digital Media (ITEC2110): Provided classroom instruction in graphic design, audio/video editing, and 2D and 3D animation.
* Introduction to Computing (ITEC1001): Provided classroom instruction on computer evolution, ethics, security, networking, hardware and software design.

**Georgia Institute of Technology**, Atlanta, GA

*Graduate Research Assistant*, 2009 - 2011

* Provided 3D models, application integration, revision control, and user testing for the Interactive Toolkit for Engineering Learning’s (InTEL) online practice environment.
* Developed design templates, wireframes, and mockups to provide website consistency.

**IBM Sales and Distribution**, Atlanta, GA

*Senior Systems Analyst*, 2000 - 2009

* Created JavaServer Pages (JSP) and JavaBeans for data transformation, image processing, data access, and error handling for the NextEdge sales reporting tool.
* Increased customer satisfaction by providing DB2 database cataloguing scripts.
* Performed application integration testing and deployment of Hyperion/Brio reports.

**EDUCATION**

**Georgia Institute of Technology**, Atlanta, GA

*Georgia Tech Coding Bootcamp - JavaScript Full Stack Web Development Certificate*

An intensive 24-week long boot camp dedicated to designing and building web applications. Skills learned consisted of HTML5, CSS3, JavaScript, jQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handlebars Js, & React Js.

**Georgia Institute of Technology**, Atlanta, GA

*Masters of Science Digital Media*

Graduate level program offering advanced study in digital media as an expressive medium. The program provides research opportunities in the areas of Art and Technology, Civic Media, Education, and Entertainment.

**Alabama A&M University**, Normal, AL

*Bachelor of Science Computer Science*