

Tony Lockhart

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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