**Tony Lockhart**

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GitHub: <https://github.com/tlockhart>

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

Full Stack Developer creating responsible AI-powered solutions to augment instruction, support educators, and advance learning equity. Experienced in product ideation, UX prototyping, and full-stack development, with a passion for transforming education through technology. Proven success integrating emerging technologies into innovative, user-centered learning tools.

***Technical Skills:***

* *Frontend:* Type/JavaScript, React.Js, jQuery, CSS3, HTML5, Bootstrap 5, Redux
* *Backend:* Node.Js, Express, MongoDB, MySQL
* *AI/ML:* Python, Pandas
* *Tools & Other*: Git, GitHub, Unix, Docker, Figma, Adobe Creative Suite, Firebase

**RELEVANT EXPERIENCE**

**Pearson Education**, Atlanta, GA

*Creative Technologist,* 2021 - Present

* Integrated a conversational AI agent into the Pearson Test of English, enhancing customer experience through natural dialogue
* Developed data-driven prototypes that drove product innovation and informed decision-making for the Higher Education and English Language Learning divisions
* Upgraded the Endeavor Prototyping Platform into an enterprise Project Management solution with Microsoft SSO, a D3 org chart, and task management features

**Levvel**, Atlanta, GA

*Engineering Consultant,* 2021 – 2021

* Enhanced Lineage Automated Warehouse Management System’s Dynamic Dashboard
* Extraction, integration, 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 and device reading reports
* Enhanced JSON Web Token (JWT) authentication, with password reset
* Refactored application controller to validate and respond to SMS commands
* Performed Unit and Acceptance testing in RSpec and QUnit
* Development and testing in docker containers, with AWS DynamoDB and MySQL

**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

**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.

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

*Masters of Science Digital Media*

Conducted graduate-level research in increasing motivation in intelligent tutoring systems.

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

*Bachelor of Science Computer Science*