

Tony Lockhart

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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