CABRAL WILLIAMS

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Portfolio: portfolio-revisited-cabral-w.herokuapp.com/

SUMMARY

Innovative and versatile Full-Stack Web Developer with a strong technical background who relishes creating applications that improve efficiency. Graduated from Harvard University (BA) and earned a certificate in Web Development from Rice University in addition to an MBA. Developed an automated program using VBA that reduced test grading time by more than half, and leveraged JavaScript, HTML, and CSS skills to create a learning application that improved student performance. Extremely fast learner with a passion for diagnosing problems and generating efficient solutions. Demonstrated proficiency in Node, Express, MySQL, and MongoDB learned during bootcamp and Flask, a post bootcamp course addition. Strong people-person who works well with and enjoys mentoring others toward continued development.

TECHNICAL SKILLS

Languages: JavaScript, jQuery, HTML, CSS, Node.js, Express, MySQL, MongoDB, React, Python, Flask, Bootstrap, Foundation, Handlebars, Java, C#

PROJECTS

The Missing One | github.com/cabralwilliams/the-missing-one |
lit-scrubland-68499.herokuapp.com
- Summary: Missing persons information sharing application. Users create and share information about missing persons, including vital statistics and photographs.
- Role: Case creation and updating form functionality, Back end troubleshooting.
- Tools: Node.js, Express, React, MongoDB, AWS S3, GraphQL, Bootstrap, HTML, CSS

What Is On Your Mind | github.com/cabralwilliams/what-is-on-your-mind |
quiet-woodland-72442.herokuapp.com
- Summary: Social media/blog-post application. Users create, edit, and delete posts, comment on other posts, and manage (delete if desired) comments on their own posts.
- Role: Sole author
- Tools: Node.js, Express, MySQL, ORM, MVC, Handlebars, CSS, JavaScript

Python Social | github.com/cabralwilliams/python-social |
slithering-python-social-7.herokuapp.com/
- Summary: Social media/blog-post application. Similar functionality as What Is On Your Mind but modified to run with Python controlling the back end.
- Role: Sole author
- Tools: Python, Flask, MySQL, ORM, MVC, HTML, CSS, JavaScript

Discover History | github.com/cabralwilliams/discover-history |
cabralwilliams.github.io/discover-history/

- Summary: Users can search for historical events that occurred on any given day, save events of interest, and explore print and visual media related to those events.
- Role: Created API call scripts, application front end styling
- Tools: JavaScript, jQuery, HTML, CSS, Foundation

EXPERIENCE

Tutor   2014 – Present
Choice Tutoring   Houston, TX
Instructed students from elementary level to college level in a variety of subjects, including mathematics up through calculus, accounting and finance, computer science, and common standardized tests (ACT, SAT, LSAT, GRE, GMAT).
Key Accomplishments:
- Directed several students to perfect or top 1% performances on the ACT and SAT.
- Developed Visual Basic (VBA) based test grading program that significantly improved test grading efficiency and enabled test report generation.
- Conceived and realized online learning application (Node.js, Express, HTML, CSS) that enabled students to practice mathematics, grammar, and science exercises modelled after content from standardized tests. Application provided detailed problem explanations and performance tracking, enabling targeted student improvement areas.

Academic Tutor   2013 – 2014
Freelance   Houston, TX
Instructed students from elementary to college level in numerous subjects, including mathematics up through calculus, chemistry, physics, accounting, finance, and occasional standardized test preparation.

Mathematics Instructor   2012 – 2013
Houston Independent School District   Houston, TX
Instructed eighth grade students in the Texas pre-algebra and algebra curriculum.
Key Accomplishments:
- Achieved improved STAAR exam passage rate over prior year..

ADDITIONAL EXPERIENCE

Research Chemist, Chevron Corporation, Houston, TX
Tax Associate, H&R Block, Houston, TX

EDUCATION

Bootcamp Certificate: Rice University, Houston, TX, August 2021-February 2022
A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Node.js, MySQL, MongoDB, Express, Handelbars.js & React.js.

Masters of Business Administration: Rice University, Houston, TX

Bachelor of Arts - Chemistry and Physics: Harvard University, Cambridge, MA