Hugh Scott

876.568.4318 | hughrscott2002@gmail.com |
Highly motivated Software Engineer with a burning passion for innovation

EDUCATION

MANCHESTER HIGH SCHOOL
Diploma
Jun 2019 | Manchester, JA

UNIVERSITY OF TECHNOLOGY
BS in Computer Science
Est Nov 2024 | Kingston, JA
School of Computing and Information Technology

WEBSITE & LINKS

TypeSnake (Demo): //
https://apl-cit-4004-web-ui.vercel.app/
Github://
https://github.com/HughScott2002
LinkedIn://
linkedin.com/in/hugh-scott-3912421a5

COURSEWORK

RELEVANT
Advanced Programming
Analysis of Algorithms
Computer Security
I.T Project Management
Design of Experiments
Analysis of Programming Languages

Software Engineering
(MySQL and MongoDB)
Database Design
Artificial Intelligence
Web Systems and Implementations
Mobile Computing

SKILLS

TECHNICAL SKILLS
Languages & Frameworks
•HTML5 & CSS3 • NEXT.js • Python
• JavaScript/Typescript • PHP • Java
• Node.js • Laravel
Technologies
• MySQL • Redis • Git & GitHub
• Azure • AWS • MongoDB •LLMs
Engineering Concepts
•CI/CD •Scrum •DevOps

SOFT SKILLS
Project Leadership • Problem Solving •
Critical thinking • Quick Adaptability
Willingness to learn • Excellent
Communication • Effective Teammate

EXPERIENCE

TYPESNAKE | Creator and Contributor
Present | Kingston, JA | Remote
- **Led** a multidisciplinary team of 4 top talents to execute the vision of TypeSnake, a novel programming language and compiler
- **Designed** and architected the syntax, grammar rules, and semantics of TypeSnake, enabling type checking and extending Python's capabilities.
- **Implemented** a robust compiler that allows TypeSnake to extend Python with the vision of achieving 100% type safety.
- **Implemented** a robust compiler that allows TypeSnake to extend python
- **Facilitated** code reviews and provided constructive feedback to the team, fostering a collaborative and continuous learning environment.

REASMARKETING | Software Engineer Consultant
- **Developed** and maintained robust RESTful APIs using Node.js and Express, enabling seamless integration between the client company's marketing automation platform and third-party CRM systems used by over 50 clients, resulting in a 30% increase in verified leads and compliance with HubSpot.

KINTECH SOLUTIONS | Full-Stack Software Engineer
Aug 2022 - Present | Port St.Lucie, Fl | Remote

- **Programmed** and reviewed code using multiple versions of Laravel and PHP, contributing to the development of a scalable and secure web application.
- **Engineered** novel solutions to improve customer retention, resulting in a 15% increase in customer satisfaction rates.
- **Managed** user data with SQL, ensuring data integrity and implementing efficient querying techniques.
- **Coordinated** internal software versions using Git, streamlining collaboration and code management among the development team.
- **Created** interactive graphs and visualizations to present user data and trends, enabling data-driven decision-making.
- **Implemented** RESTful APIs and web services, facilitating seamless integration with third-party applications and ensuring secure data exchange.
- **Enforced** data encryption and protected routing addresses, maintaining a high level of security and compliance with industry standards.

ACCOMPLISHMENTS

CREATED PROGRAMMING LANGUAGE & COMPILER | 2024
Ongoing Development | Kingston, JA
Led a team in crafting the syntax and architecture of a new language, overseeing grammar rules, semantics, and type checking. Developed a robust compiler facilitating Python extension within TypeSnake.

AWARDS & AFFILIATIONS

| 2019 | Vice President | Computer Science Club |
| 2020 | I.C.T Dept | High Achiever in Information Technology |