STUART DANIELLS

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https://www.linkedin.com/in/stuart-daniells

https://github.com/StuartDaniells

Portfolio: **https://stuartdaniells.netlify.app/**

- A zestful pragmatic techno-geek with a forever learning mentality.
- Developed algorithms with low time as well as space complexities.
- Enforced failsafe countermeasures for data losses and corruption over various databases.
- Automated & enhanced company processes by effective software development techniques.
- Predicted behavioral performances of data provided for various experiments running, then synthesized it as relevant computed information in a GUI.
- Drove user interactions and conversions to over 10 times its initial launch.
- An accomplished JavaScript as well as Python developer (including most of their widely used frameworks).

EXPERIENCE

DATA SCIENTIST
APRIL 2022 – PRESENT

ALUMA POWER CORP.
Sarnia, Ontario

- Automated tedious calculation processes reducing an hour's day of repetitive work to a few seconds.
- Developed algorithms to predict the behavioral performance of the data using Python and its libraries.
- Unified and centralized data acquisition and manipulation using MongoDB.
- Enforced failsafe countermeasures for data losses/corruption.
- Honed skills –Python & its Data Analysis libraries, Adaptability, Collaboration | Acquired skills –MongoDB, C#

WEB MASTER & DATA ANALYSIS
OCT 2018 – MAY 2021

DUBAI WHOLESALE DEALS - GENNE DMCC
Bengaluru, India

- Drove user visits to the webpage to over 10 times the initial amount.
- Increased the number of hits per month to the site consistently by 20%, hence more turnovers.
- Planned website development, converting mockups into usable web presences.
- Built and styled mobile-friendly websites, transitioning legacy presentations to easy-to-use versions.
- Ensured security and firewall systems upkeep and backups of databases.
- Honed skills – Frontend frameworks - JavaScript, HTML, CSS, Bootstrap, critical thinking, time-management.
- Acquired skills – MySQL, PHP, WordPress, Hosting, Agile management tools, NodeJS, Regex, Git & GitHub.

TECHNICAL SOLUTIONS REPRESENTATIVE ENGINEER
JULY 2017 – JAN 2018

HEWLETT-PACKARD - INC.
Bengaluru, India

- Diagnosed malfunctions in software/firmware/hardware and directed support to appropriate personnel.
- Executed troubleshooting and software support in both in-person and remote situations.
- Honed skills – CLI, PowerShell, Computer hardware, solutionist | Acquired –interpersonal, conflict resolution

DATA RESEARCHER & ANALYSIS | TEAM LEADER (INTERN)
AUG 2016 – OCT 2016

HAPPY LOCATE
Bengaluru, India

- Oversaw team collaboration between members to meet targeted results and deadlines.
- Analyzed available solutions and used critical thinking to break down problems for the team.
- Evaluated the relevant data and sent it to the Web Development teams for deployment.

EDUCATION

POST-GRADUATE DEGREE, Computer Software & Database Development   SEPT 2021 – APRIL 2023

LAMBTON COLLEGE - GPA: 3.91 / 4.0   Sarnia, Ontario

- Research student at the "Applied Research & Innovations Department" - https://youtu.be/oy-za8-5eLk
- JavaScript, Python; Project Management – Agile methodologies, SDLC; Bootstrap, HTML & CSS.
- Advanced JavaScript, Data analysis with Python, Java SE, C# - Windows forms, jQuery.
- MERN stack, Java EE, Asp.Net, Cloud computing - AWS (Cloud practitioner level)
- DevOps, Cloud technologies: AWS EC2, AWS S3, Virtualization; CI/CD; Docker; Cloud – budgeting & pricing.

BACHELOR OF ENGINEERING TECHNOLOGY, ELECTRONICS & COMMUNICATION   AUG. 2013 – DEC. 2017

CAMBRIDGE INSTITUTE OF TECHNOLOGY   Bengaluru, India

- Awarded best innovate project with social relevance and selected for the state level competition.
- Awarded best IEEE paper presentation at the inter-collegiate technical fest.
- Programming in C and Data structures, Logic Design, Digital Communication, Signals & Systems, OS's.
- CMOS, VLSI, HDL, Computer Communication Networks, Optical Fiber & Wireless Communication.

SKILLS

- Python - Pandas, NumPy, Matplotlib, SciPy, PyMongo, PySimpleGUI, TKinter, SQLite.

- JavaScript – Node.js, Express.js, React, JSON, Ajax, jQuery, Prototypal Inheritance, API's.

- MongoDB, MySQL, SQLite
- Power Automate & Apps
- Operations/ Process flow
- C# - Windows forms, Asp.Net
- Excel - VBA, Macros, functions
- Bootstrap, Tailwind, HTML & CSS

- Git/GitHub – Actions, YAML
- AWS – EC2, S3, Virtualization
- Regex, Linux
- Critical Thinking
- Problem-Solving
- Java SE & EE, Java Fx, JDBC

PROJECTS

1) Experiment Analysis App: (Aluma Power corp. | April 2022 - Present)
- Automated the testing teams workflows from 45 minutes down to 10 seconds.
- Created algorithms that predicted performance degradations over time and made alterations.
- Functionality that auto-updated and backed-up the MongoDB database, real-time, based on user interactions for each experiment run.

2) FolioMagic – Full Stack Cloud deployed application: (Lambton | Sept. 2022 – Dec. 2022)
- Utilized AWS EC2 to create a virtual environment and host our Full stack application – Bootstrap, React.js, Node.js & Express.js, MongoDB.
- Delivery and deployment of the project incorporated CI/CD methodologies to meet sprint targets.

3) Company product website with recorded Presentation: (Lambton | Nov 2021 – March 2022)
- Website - https://stuartdaniells.github.io/CompanyProductSite
- YouTube Presentation - https://youtu.be/jKABWf9iFgQ

4) Face recognition API: (Personal | Oct 2019 – Nov 2019)
- The ability to predict and recognize faces irrespective of facial structure and orientation.
- Creates a custom box structure overlaying the face, no matter the background style. Utilized 'Clarifai API models' for higher accuracies of facial trained data.

5) Voice Automated Mirror: (Final Engineering project | Oct 2016 – March 2017)
- Created an Informative 'news highlights' mirror with voice activation (open-source Alexa - GitHub).
- Displayed the weather forecast, date/time, news feeds, to-do list and emails onto the mirror.