Mark A. Valentino Jr.

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PROFESSIONAL EXPERIENCE

Full Stack Developer January 2023 - Present — Land Intelligence (startup), Columbia SC
- Resolved over 100 bugs in a React website (both frontend and backend).
- Managed integrations with Amazon Web Services.
- Fixed and discovered security issues.
- Improved mobile responsiveness and user experience of webpages.
- Created React components from Figma mockups.
- Coded email templates that are compatible with all modern email clients.

Data Technician September 2022 - January 2023 — Land Intelligence (startup), Columbia SC
- Executed QA / QC testing of the software stack.
- Ingested land development related data such as of zoning maps, ordinance books.
- Developed product requirement documents.
- Improved mobile responsiveness and user experience of webpages.
- Iterated product requirement documentation.

Office Clerk April 2021 - May 2021 — S&S Aviation, Winnsboro, SC
- Managed the front desk answering customer inquiries.
- Organised airplane rentals and recorded flight times.
- Scheduled flight lessons in accordance with the office procedures.
- Utilised QuickBooks accounting software to record customer fees and process payments.
- Regularly assisted with aircraft maintenance, repair, cleaning, and fueling.

Volunteer 2017 - 2019 — Computers for Student Success**,** Tidewater Community College, Virginia Beach
- Engaged in over 50 hours of volunteer service refurbishing computers for disadvantaged individuals.
- Reviewed and scored the eligibility of program participant applications.

PROJECTS

- **I Spy Shopper:** Worked as a team with other students to create a grocery delivery app for the visually impaired (payments were pretend). It used the Kroger API to generate searchable products that users could add to their cart and purchase. Firebase was used for authentication and user data storage. I Spy Shopper was written to be accessible with screen readers.

- **Cities Recommender**: Created an AI using Python to determine the best cities in America to dwell in. The program process was based off several datasets examined through Pareto optimisation. Cities were maximised between the values of their crime rates and the spending power of the city dwellers. Machine learning was used to estimate missing cost of living values.

EDUCATION

May 2023 - University of South Carolina, Columbia, SC
Bachelor of Science in Computer Science

May 2021 - Midlands Technical College, Columbia, SC
Associate in Arts, Associate in Science

SKILLS

- Languages: JavaScript, SCSS, CSS, HMTL, Python, C++, C, Java, SQL, Bash, Kotlin,
- React Libraries: Material UI, Redux, Firebase, React Hook Form, three.js, Handlebars, react-springs
- AWS: Amplify Studio, Code Pipeline, Lightsail, S3
- Python Libraries: Pandas, NumPy, Pillow, Plotly, Jupyter Notebook
- UX Monitoring Tools: Lucky Orange, Microsoft Clarity
- Technical drafting and 3D modelling: Autodesk AutoCAD (certified), Autodesk Inventor (certified)
- Work Management: GitHub, Confluence, Jira