SABASTIAN HIGHTON

sthighton@gmail.com | www.thehighton.com | +1 (470) 505-8286 | Atlanta, GA

SKILLS

PC Repair, SQL, Excel, Tableau, Python (Pandas, Numpy, Sci-kit Learn, Tensorflow, Matplotlib, JupyterLab), AWS Cloud (DynamoDB, S3, IAM, CDK, Lambda), JavaScript (Next, React), Windows, MacOS, Linux, Java

EXPERIENCE

BC Tech Pro (Contract)   Norcross, GA
Computer Field Technician   2024-Present
- Certified Dell Service Provider as an onsite technician
- Certified Lenovo PC Service Technician
- Providing excellent customer service during all points of the customer experience
- Providing timely and accurate hardware replacements including updating BIOS/Drivers/Etc
- Picking up and returning returnable parts from service

University of North Georgia   Dahlonega, GA
National Science Foundation Funded Research Assistant   May 2023 – August 2023
- Generated novel and useful data using Linux virtual machines, Python, JupyterLab, and supercomputers.
- Implemented and compared machine learning models on clean data documenting key metrics in Excel.
- Coordinated and engaged in meetings three times a week with a co-researcher and professor to align on project milestones and contributions, streamlining research processes.
- Enhanced project outcomes and productivity through collaborative team solutions and shared expertise.
- Continued to use skills gained in projects after the position closed.

PROJECTS

Data Analysis on RNA Pairing Outcomes
- Cleaned and transformed data using Java, created an image of RNA bonding types, outputted data to an image file, then performed data analysis and ML in Python.
- Engineered a sophisticated convolutional neural network algorithm to assess RNA pairing probabilities from image files, increasing efficiency in analyzing genetic data, accelerating breakthroughs in biotech innovation tenfold.
- Collaborated with a professor to conduct research in a team of three co-authors increasing novel insights.
- IEEE SoutheastCon 2024 accepted the white paper and will publish the research to the number one leading collection of consolidated published papers in computer science.
- Find research as: Beyond Sequence: A Novel Image-Based Model for MicroRNA Target Prediction.

Personal and Portfolio Website - www.thehighton.com
- Host impactful projects integrating AWS Cloud (Lambda) developed in Python and a front-end crafted with Next.js and CSS increasing working efficiency tenfold.
- Implement AWS IAM to securely manage development accounts with Docker, CDK, S3, and CloudFormation handling CI/CD of a Lambda function.

EDUCATION

University of North Georgia, Mike Cottrell College of Business   Dahlonega, GA
BS Computer Science   **GPA: 3.92/4.0**   **December 2023**
Summa Cum Laude