Christopher Jordan Wallace

(803) 207-4233 | ChristopherWallaceOCC@gmail.com
ChristopherJWallace.com | www.linkedin.com/in/christopher-j-wallace

EDUCATION

M.S. in Computer Science **August 2023 - Present**
Georgia Institute of Technology *Atlanta, GA*
- Specialization: Machine Learning

B.S. in Mechanical Engineering **August 2018 - *May 2022***
Clemson University *Clemson, SC*
- Track and Field Athlete (2018-2020) + Track and Field Assistant Coach (2020-2022)
- Specialization: Machine Learning & Mechatronics

TECHNICAL SKILLS

Languages: Python, C++, R, SQL, JavaScript/Typescript, HTML/CSS,
Frameworks & Libraries: TensorFlow, Pytorch, Scikit-Learn, Pandas, Numpy, Django, React
Miscellaneous: AWS, Tableau, Power BI, Git, SolidWorks, AutoCAD, MATLAB

WORK EXPERIENCE

Implementation Engineer **June 2022 - Present**
Landis+Gyr *Alpharetta, GA*
- Developed SQL, PowerShell, and Python scripts for troubleshooting, automation, network monitoring, and process enhancement on a variety of production environments containing an aggregate of over 5 million network devices and field modules within mesh networks.
- Leveraged advanced network analytics to strategically optimize deployment zones and satisfy SLA's, leading to contractual closeouts for multi-million-dollar projects.
- Analyzed and resolved issues pertaining to IIS, Web API, or RESTful services through utilization of IIS and application logs to determine 80+ different root cause analyses.
- Structured and conducted technical interviews on SQL and analytics for the hiring process.

Full-Stack Developer **September 2023 - Present**
Fire & Hammer Connect *Milton, GA*
- Transformed complex design blueprints into user-centric, interactive web experiences, significantly boosting customer engagement and driving increased web traffic.
- Designed web layouts using HTML, CSS, and JavaScript, for 10+ small businesses and organizations.
- Identified and resolved web application bugs and performance issues, leading to enhanced system reliability.

R+D Engineering Intern **May 2021 - August 2021**
Ametek (CSI Heat) *Pineville, NC*
- Designed product installment protocol standards and creation of technical documentation.
- Utilized SolidWorks CAD and Excel to design and model simulated configurations for thermal piping solutions.
- Conducted product evaluations to assess stress and tolerance factors for various product solutions.

PROJECTS

- **Michelin Senior Capstone:** Simulated and prototyped the design of an automated gantry system capable of maneuvering rubber mats within the manufacturing facility by utilizing kinematic calculations, machine learning algorithms, and FEA.
- **Injection Molding ML:** Created a spectral clustering model to analyze multivariate sensor metrics within injection molding processes to assess their structural integrity to 95% accuracy and reduce testing expenditures.
- **Small Business ML:** Developed interactive visualization tool using d3 and a K-means clustering model on Yelp and census data to identify growth opportunities between various zip codes for small businesses to utilize in their expansion.