

BENNETT GOULD

Contact information removed for security. Please use my form or LinkedIn to contact me directly. This is an abbreviated resume. Please contact me if you are in need of a more detailed resume.

EDUCATION

Wake Forest University , Winston-Salem, North Carolina	2021
<i>Bachelor of Science in Computer Science</i>	
Wake Forest University , Winston-Salem, North Carolina	2021
<i>Bachelor of Arts in Applied Mathematics</i>	
University of North Carolina at Chapel Hill , Chapel Hill, North Carolina	2021
<i>6 Month Full Stack Web Development Bootcamp</i>	
West Forsyth High School , Clemmons, North Carolina	2017

COMPUTER SKILLS/ LANGUAGES/ FRAMEWORKS

- **AWS Services, Proficient:** Elastic Beanstalk, Lambda, EC2, Route 53, CloudFront, S3, EFS, DocumentDB, API Gateway, AWS CLI, CodeCommit, CodePipeline, VPC, IAM, Cognito
- **Tools, Proficient:** GitHub, Git Bash, Virtual Box, MS Hyper-V, PuTTY, PuTTYgen, MS Office, CLion, PyCharm, IntelliJ, Eclipse, Visual Studio Code, **Tools, Limited Working Proficiency:** Docker, Wireshark, Handlebars, Mongoose, Sequelize
- **Programming Languages, Proficient:** JavaScript, Java, C++, HTML, CSS
- **Programming Languages, Limited Working Proficiency:** C, MySQL, MongoDB, Fortran, Python, R, Matlab, Windows PowerShell, Windows CMD, MS VBA
- **ML Frameworks, Limited Working Proficiency:** Caffe (Python), Nvidia DIGITS
- **Major Software Frameworks, Working Proficiency:** React.js, Next.js, Node.js, Express.js, jQuery, Python Flask
- **Operating Systems, Proficient:** Windows 7/10, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019, Ubuntu, Ubuntu Server, Mint (Linux), **Limited Working Proficiency:** CentOS, Parrot OS, Amazon Linux 2

PROFESSIONAL EXPERIENCE

- Head Systems Administrator**, VarTech Systems *June 2017 – Present*
- Managed all internal and cloud-based servers, services, technology infrastructure, and tools
 - Managed numerous migrations from legacy and on-prem software/infrastructure to modern and often cloud-based solutions
 - Configured, updated, and upgraded all user PCs, servers, printers, networking equipment, etc.
 - Performed security audits, gap assessments, patching, and documentation for internal use and regulatory compliance
 - Managed and implemented modern, redundant backups and disaster recovery plans
- Principal CloudOps Engineer and Founder**, Dronezones.io *October 2020 – Present*
- Created a big data warehousing application and API for machine learning workflows in the WFU ASGM lab
 - Architected microservices, utilized serverless resources, built CICD pipelines, and performed TCO calculations
 - Utilized Next.js frontend, Node.js backend services, Python-based metadata stripper, Mongo Atlas, and more
- Biochemistry HPC Intern**, Alexander Lab, Wake Forest University *May 2016 – December 2016*
- Conducted original research on the TCF4:NEUROD2 pseudo homodimer complex relevant to Pitt-Hopkins Syndrome
 - Leveraged the use of VMD and NAMD on the WFU DEAC HPC cluster to run molecular dynamics simulations comparing the wild and mutant types
 - Presented research at the International Pitt-Hopkins Research Symposium in Dallas and the WFU Undergrad Research Fair

LEADERSHIP

- Founder**, High Performance Computing Club, Wake Forest University *Spring 2020 – Present*
- Defined the club's goals, potential competitions, learning resources, hardware for procurement, and meeting format
 - Created TCO reports to determine best hardware given very limited budget
 - Built a 184 core, 1.2 TB RAM, 16 TB HDD, 2.5 TB SSD cluster on CentOS and OpenHPC + BeeGFS

CERTIFICATIONS/ ONLINE COURSES

- Fundamentals of Deep Learning for Computer Vision, **NVIDIA**
 - Cybersecurity Professional Certificate, **IBM**
 - AWS Certified Cloud Practitioner, **Amazon Web Services** 3/27/21
 - MS-900, **Microsoft** 4/27/21
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