Anne Noonan
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Education

Georgia Institute of Technology, Atlanta, GA   In Progress
        Master of Science in Computer Science

Carnegie Mellon University, Pittsburgh, PA   May 2019
        Bachelor of Science in Chemical Engineering
        Additional Major in Biomedical Engineering

Work Experience

Capital One:

        Associate Software Engineer, *Richmond, VA*   August 2020-Present
- Build full stack automated statement generating applications using AWS Lambda and SQS
- Deploy and host thoroughly unit and integration tested apps to cloud CI/CD environment
- Develop dynamic frontend web applications following ADA compliance standards
- Built full stack React feature enabling customers to view their loan transaction history online
- Built real-time user activity tracking features that fed into custom dashboards of KPIs
- Developed backend web applications and APIs using RESTful patterns and the MVC web development framework
- Developed search capabilities for internal documentation using web-scraping, document indexing, keyword collection, and ElasticSearch

Deloitte Consulting: Business Analyst, *Pittsburgh, PA*   July 2019-August 2019
- Wrote SQL queries and custom VBA tools to analyze indirect vendor spend, developed sourcing strategies, and assessed vendor criticality in an acquisition
- Optimized staffing model by quantitatively analyzing and redesigning employee resource allocations, resulting in $100M+ in savings
- Internally developed eminence presentations regarding R&D, artificial intelligence, and machine learning in the Chemicals industry

Procter & Gamble: R&D Summer Product Design Intern, *Cincinnati, OH*   May 2018-August 2018
- Developed novel anti-bacterial technology based on formulation weakness in current product
- Verified findings with statistical model and created computational tool to formulating new products with maximum anti-bacterial efficacy

Sandia National Laboratories: R&D Bioenergy and Defense Technologies Intern, *Albuquerque, NM*
        Nanoparticle Drug Delivery   May 2017-August 2017
- Wrote program to track particles with ImageJ and Excel
- Characterized protocell binding to cultured human kidney and epithelial cells

        Digital Holography Microscopy   June 2016-August 2017
- Collaborated with Diagnostic Sciences & Engineering to explore biological applications of digital holography and developed systematic protocol for imaging and processing specimen
- Enhanced pre-existing MATLAB program to segment cells in additional image types

Skills

JavaScript | Python | Java | Golang | Knex | SQL | AWS Lambda | AWS API Gateway | AWS RDS | Jenkins | Docker | Postgres | MongoDB | Mongoose | Angular | React | TensorFlow | Machine Learning | MATLAB | HTML| CSS | Excel | Tableau | Segment | Amplitude | VBA

Certifications
- AWS Solutions Architect Associate   August 2021

Affiliations

Tau Beta Pi | Phi Kappa Phi | George M. Pullman Scholar | William Arthur Gruse Scholar