Alexander E. Dziarnowski

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Work Experience

Capital One, Richmond, VA, August 2021 to Present
Associate Software Engineer
- HTML, CSS, Node.js, Vue.js, AWS
- Redesigned UI for voice application using input from product owner and user agents.
- Migrated web framework from Restify to Fastify resulting in faster requests by 50%.
- Converted static application from AWS ECS to AWS Lambda fulfilling company goal to switch to serverless.
- Produced functional and unit tests using Cypress, Jest, Mocha Chai, Sinon, and Vue Test Utils.
- Configured DevOps pipeline using in-house tools to test, build, and deploy to development environments.

Capital One, Richmond, VA, February 2021 to August 2021
CODA (Capital One Developer Academy) – 6-month software-engineering immersive training
- HTML, CSS, Node.js, React.js, AWS
- Develop back-end web applications and APIs using a modern programming language, RESTful patterns, and the MVC web development framework
- Learn the process of deployment to cloud services
- Collaborate within a team using an agile development workflow and collaboration and collaboration practices in Git

Ampcus Incorporated, Chantilly, VA, June 2019 to August 2019
Finance Intern
- Analyzed financial data in income statements and balance sheets using Microsoft Excel to evaluate company's past and current performances; developed trend analysis, projected results, and gave recommendations to the Ampcus President.
- Charted successful course for Socash (www.socash.io)
  - Generated financial analyses for a fast-growing Fintech app ranked in the top 10 of Google Play Singapore
  - Spearheaded development of a frontier analysis comparing the S&P 500 to all fintech stocks with an IPO in the past four years

Personal Projects

Cloud Resume Challenge, July 2020
https://alexdziarnowski.com
- Deployed code to AWS SAM (Serverless Application Model), CloudFormation, and GitHub using Git commands
- Configured a Workflow for continuous integration, continuous delivery (CI/CD) composed of Python unit testing and GitHub actions
- Produced a view counter to count web page visits using HTML (Hypertext Markup Language), CSS (Cascading Style Sheets), JavaScript, Lambda, and DynamoDB

Uniswap Trading Bot, October 2020
https://github.com/alexdziarn/uniswapTradingBotKif
- Program used to scan token prices and execute trades by interacting with smart contracts on the Ethereum blockchain
- Programmed in Python using the web3.py library

Education

Bachelor of Science (B.Sc.) in Finance, 2016 to 2020
    Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA
    Concentration: Investment Management and CFA

Additional Information

Technical Proficiencies: Amazon Web Services, Salesforce, Excel Modeling, Git, Web Programming, Javascript
Certifications: Amazon Web Service Solutions Architect Associate; Amazon Web Service Developer Associate; Amazon Web Service SysOps Administrator Associate; Salesforce Administrator
Interests: Investing, Fantasy Sports, Video Games