Arnold Makarov

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Education

Ohio State University, Columbus, Ohio   Expected Graduation: May 2022
- BS in Computer Science and Engineering   GPA: 3.51
- Minor in Mathematics

Experience

Software Engineering Intern | Capital One, Remote   May 2020 – August 2020
- Created the frontend for a data service using React
- Assisted in the backend development by implementing an AWS Lambda query function that interacts with a PostgreSQL database on AWS RDS using Python and SQL

Software Engineering Summit | Capital One, Clarendon, Virginia   August 2019
- Participated in various workshops and competed in an event Hackathon

Software Development Intern | Skiplist Inc, Cleveland, Ohio   May 2019 – August 2019
- Assembled project management application frontend using React with Redux
- Contributed to development of backend using Node.js, SQL, and PostgreSQL

Projects

March Madness Predictor   December 2019 – Present
- Coded a web scraper to gather march madness data from the internet in Python
- Uses linear regression to predict outcomes of games based on data collected

Chess Engine   April 2019 – August 2020
- Designed frontend with React, jQuery, and hosted on Heroku
- Developed backend/Chess AI using C#, ASP.NET Core, and hosted on Azure
- Implemented Minimax Alpha-Beta pruning, Iterative Deepening with Transposition Tables, MVV-LVA Move Ordering Heuristic, and Quiescence Search

National Park Service Kiosk   June 2019
- Project won an invitation to Capital One Software Engineering Summit
- Programmed web application for National Park Service with React that implements APIs from Google Maps and National Park Service

Skills

Programming | C • C# • C++ • Java • Python • SQL • MatLab
Web Development | JavaScript • Node.js • HTML/CSS • jQuery • React
Misc. | AWS (Cloud Practitioner Certification) • Azure • ASP.Net Core • Git • PostgreSQL • Unix