Faddey Soldatov

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EDUCATION

University of Maryland, Baltimore County <div align="right">Catonsville, MD</div>
Bachelor of Science in Computer Science, <div align="right">*Graduation – May 2027*</div>

EXPERIENCE

Software Engineering Fellow <div align="right">July – Sept 2024</div>
Headstarter
- Worked with a team of upperclassmen to build and scale 5 fullstack react/next apps with firebase
- Learned 7 new features, libraries and frameworks: React, Next, Node, Python, JavaScript, REST APIs and Firebase

Research Assistant <div align="right">June – Nov 2023</div>
University of Maryland, College Park <div align="right">*College Park, MD*</div>
- Wrote a script to process YouTube's 8M dataset for training data for Novel View Synthesis Diffusion Models
- Primarily performed data analysis on 10k+ JSON objects for verification of pre-processing script validity
- Utilized campus servers to run the script on a VM to speed up processing time, also began implementing multi threading into the script to optimize its efficiency

PROJECTS

ERBuilder | *React, Docker, Kubernetes, Open AI API*
- * Downloadable application that optimizes a user's Elden Ring build using 10 different technologies and cloud services. Originally a web app hosted with firebase, now a dockerized react app that has been deployed locally with Kubernetes
- * Learned Kubernetes cloud infrastructure and got hands on experience with it through a local deploy of this application
- * Learned docker infrastructure and Dockerized this application for hands on experience

Quick Resume | *Open AI Assistants, React, AWS S3*
- * A Chrome Extension built using 5 technologies that scrapes job descriptions from a users screen and customizes a resume for that specific posting automatically by altering a saved resume pdf on the users profile
- * Implementing users resume storage with AWS S3 to become familiar with the technology's infrastructure and usage
- * Learned the potential of Open AI API's Assistants that allow for file input into the API calls

ETF Optimizer | *Open AI Assistants, React, ETF DB (by Yahoo)*
- * ETF Portfolio optimizer that takes in a users current ETF portfolio through a CSV and based on the constantly updated ETF database by Yahoo that is fed to Chat GPT's API, a text response is generated to recommends changes or improvements to the portfolio.
- * Performed analysis on the 30 categories of the ETF database for a total of over 2000 different ETFs analyzed with the help of GPT 4o
- * Implementing personal portfolio storage in AWS S3 for simpler use of the application
- * Dockerization and AWS EC2 deployment coming soon once every feature is implemented

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, HTML/CSS
Frameworks: React, Node.js, JUnit, Material-UI
Platforms: Windows, Linux, Slack
Developer Tools: Git, Docker, VS Code, Eclipse
Libraries: pandas, NumPy, Matplotlib

SOFT SKILLS

Planning project pipelines from start to finish including cost estimation reports with daily modifications
Planning, building, and deploying finished applications in 48 hour sprints for team hackathons