Daniyar Aubekerov

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EDUCATION

Suffolk University (Major GPA: 4.0)   Boston, MA
Bachelor of Science in Computer Science, Bachelor of Science in Mathematics   *Jan. 2020 – May 2021*

Operating Systems, Computer Networks, Computer Architecture, Database Systems, Data Science, Business analytic with SQL, Abstract Algebra, Discrete Math II, Financial Mathematics, Real Analysis, PUTNAM Seminar

Bunker Hill Community College   Boston, MA
Associate of Science in Computer Science (Major GPA: 3.9)   *Sep. 2018 – Dec. 2019*

Data Structures & Algorithms, Android Development, Advanced Java, Advanced C++, Intro to OOP and C++, Differential Equations, Linear Algebra, Calculus I-III

EXPERIENCE

Quantitative Developer (Intern)   Dec. 2020 – June 2021
Lucy Labs CryptoFinance   *Valhalla, New York*

- Quantitative Developer intern working on Crypto currency trading.
- Applying traditional market's algorithms to the crypto market.
- Developing, back-testing and implementing trading algorithms with python.

Teaching Assistant   Jan. 2019 – June 2019
Bunker Hill CC   *Boston, MA*

- Teaching assistant in the "Introduction to Object-Oriented Programming and C++" class with 30 students registered.
- Hosted weekly office hours with recitations and attended all lectures, where assisted students with class assignments.

PROJECTS

MathForces.com | *Django, JavaScript, MathJax, Bootstrap, PostgreSQL, Nginx, Gunicorn*   Mar. 2020 – Present

- Designed and implemented the architecture of a web app that features math contests and math problems for people of all levels and ages.
- Created problems for biweekly contests.
- Deployed Django application to Digital Ocean's Ubuntu Server.
- Reached 2000 users including IMO winners, PUTNAM fellows, Math Professors, ACM ICPC finalists, IMC winners.

NotesSharer | *Python, Flask, HTML, CSS, JavaScript, SQLite3, uWSGI*   Dec. 2020

- Developed a full-stack web application with Flask.
- Implemented user registration and login with SQLite and user side validation. Added objects models for users notes and comments.
- Deployed application to pythonanywhere's server using wsgi.

SKILLS AND DISTINCTIONS

Languages: Python, Java, C/C++, JavaScript, HTML/CSS, SQL
Math Competitions: **PUTNAM** (TOP 5%, 36 points, 4 problems solved), Final Round of National Math Olympiad (Silver Medal), International Zhautykov Olympiad (Bronze Medal), Balkan Mathematical Olympiad (Silver Medal), Asian Pacific Math Olympiad (2nd place)
Frameworks: Django, Flask, Node.js, Vue.js, Bootstrap, Material-UI, FastAPI
Server Setup: Linux, Nginx, Gunicorn, Docker
Libraries: pandas, NumPy, Matplotlib
Math Problems Authorship: European Mathematical Cup 2016, Final Round of National Math Olympiad 2019, Team Selection Test 2020,2016