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

Software Engineer   Mar. 2020 – Sep. 2020
MathForces.com   *Remote*
- 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.
- Technologies used: Django, Rest API, React, Bootstrap, PostgreSQL, Latex Parser

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

NotesSharer | *Python, Flask, SQLite3, HTML, CSS, JavaScript, MathJax*   Nov. 2020
- Developed a full-stack web application using with Flask
- Implemented user registration and login with SQLite and user side validation. Added objects models for users' notes and comments.
- Deployed application to pythonanywheres server using wsgi.

RPG Game | *C++*   May 2019
- Implemeted RPG game using C++ OOP Principles.
- The map dynamically generates and stores as a binary file.

Flappy Bird | *Java, JavaFx, CSS*   Mar. 2019
- Developed a Flappy Bird game clone using Java, JavaFx and CSS styling.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, HTML/CSS, SQL
Frameworks: Django, Flask, Node.js, Bootstrap, Material-UI, FastAPI
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, NetBeans
Server Setup: Linux, Nginx, Gunicorn, Docker
Libraries: pandas, NumPy, Matplotlib

MATH DISTINCTIONS

Putnam: TOP 5% PUTNAM 2019 (36 points, 4 problems solved)
High School Olympiads: Final Round of National Math Olympiad (Silver Medal), International Zhautykov Olympiad (Bronze Medal), Balkan Mathematical Olympiad (Silver Medal), Asian Pacific Math Olympiad (2nd place)
Math Problems Authorship: European Mathematical Cup 2016, Final Round of National Math Olympiad 2019, Team Selection Test 2020,2016