ALMAS PERNESHEV

(213)642-98-00 • apervmm@gmail.com • https://www.linkedin.com/in/almas-perneshev
• https://github.com/apervmm

EDUCATION: GPA 3.44

Lane Community College (LCC)
Santa Monica College (SMC)
California Polytechnic State University, San Luis Obispo (Cal Poly SLO)
Bachelor of Science Degree in Computer Science

Relevant Coursework:
Introduction to Computer Science, Programming in C, C++ Programming, Programming in Java, Advanced Java, Programming in Assembly Language, Programming in Python, Discrete Structures, Data Structures and Algorithms, Introduction to Database Systems, Django/FastApi/Flask Frameworks, Design and Analysis of Algorithms.

Certificates:
Python by Hackerrank:
https://www.hackerrank.com/certificates/45469ba04b37
SQL by Hackerrank:
https://www.hackerrank.com/certificates/204984c11478
Scientific Computing in Python by FCC:
https://www.freecodecamp.org/certification/apervmm/scientific-computing-with-python-v7

SKILLS

Programming Languages/Frameworks: C, C++, Java, Assembler, Python, HTML, JavaScript, CSS, MySQL, PostgreSQL, SQLite3, Solidity, JavaJDBC, JavaFX, BeautifulSoup4, Flask, Django, Fast API
Software Tools: VS Code, PyCharm, NetBeans, Git, Minitab, JSON, Excel, CMD/Terminal, AWS, Postman, Remix
Languages: English, Russian, Kazakh, Uzbek

PROGRAMMING PROJECTS:

- **Developed an API for Social Media App:** https://socialmedia-fastapi-smjb.onrender.com/
  Tools: Python, Fast API, PostgreSQL, Alembic, Render
  Designed and deployed social media rest API with proper authentication (see redoc)
- **Weather Web App:** https://weather-detector.onrender.com
  Tools: Python, Django, JS, HTML, CSS, API
  Designed the web app that represents the weather condition at specified location.
- **Elliptical Curve Cryptography - Message Encryption & Decryption:**
  Tools: Python, Cryptography
  Implemented the Encryption/Decryption system by using the Elliptical Curve Cryptography and Diffie-Helman Key Exchange Protocol.
- **Booking/Reservation System:**
  Tools: Java, JDBM, MySQL
  Group project implementing Booking System on Java and using raw SQL queries.
- **Web-App for personal Blog:** http://blog-env.eba-ametsprz.us-east-2.elasticbeanstalk.com/
  Tools: Python, Django, JS, HTML, CSS, SQLite3, AWS
  Designed and hosted the personal web-app.
- **Real-time Chat App:**
  Tools: Python, Django, SQLite3
  Implemented the real time chat room application with Authentication.

- **Tic-Tac-Toe:**
  Tools: Java, JavaFX
  Implemented GUI Game d multiple differently structured sources and implemented multiple scripts to scrap data from different marketplaces, newsletters, and other web-sources.
- **Web-Scrapping:**
  Tools: Python, BS4, HTML, API, JSON, Excel
  Inspected multiple differently structured sources and implemented multiple scripts to scrap data from different marketplaces, newsletters and other web-sources.
- **Many other interesting projects:** Maze Solving Algorithms (C++), Reservation System (JDBC), Implemented different Data Structures and have solved many algorithmic problems.

WORK EXPERIENCE

Demonstrated excellent teamwork, time management, leadership, and communication skills through the following employment:

- **SI Leader for Multivariable Calculus** 2/2020 – 6/2022
  Supplemental Instructor for Multivariable Course at Santa Monica College, where my responsibilities included: providing extra sessions for a group of students on course material and preparing extra course/study materials for exams and quizzes. (10-20hrs/week)

- **SI Leader for Programming in C course** 2/2022 – 6/2022
  Supplemental Instructor for Programming in C Language at Santa Monica College, where my responsibilities included: providing extra sessions for a group of students on course material and preparing extra course/study materials for exams and quizzes (10-15hrs/week)

- **Group SAT Math Tutor** 9/2021 – 2/2022
  Performed on ground SAT Math preparation session for a group of 5-10 students at Grantly.me. My responsibilities included: creating a syllabus for a course and agenda for every session, creating and providing study materials, examining students to provide a simulation for a real test, providing study tips specifically for SAT.
  Achievements: The average score of my students taking an exam was 695/800, which is 174 points higher than average of all students taking test in 2022. Moreover, I scored 780/800 on SAT, which was *top one percentile* in 2017. (12hrs/week)

- **Advanced Math Tutor** 10/2022 – 12/2022
  Peer-to-peer Advanced Math Tutor at California Polytechnic State University, San Luis Obispo. Tutoring courses I was covering Calculus I - IV, Linear Algebra, Discrete Mathematics, Differentia; Equations, Boolean Algebra, Graph Theory, Combinatorics (13hrs/week)

- **Tutor Pre-college level Mathematics** 1/2021 – 6/2021
  Performed one-to-one online tutoring session as pre-college level math instructor at Skyeng/Skysmart. My duties included: understanding student's performance at school, constructing optimized course plan for 3 months for each individual student, preparing study materials, examining students every 3 months. (10hrs/week)