Oleg Bychenkov

Dublin, California | 650-691-3103 | oleg.bychenkov@gmail.com
linkedin.com/in/oleg-bychenkov | oleby0406.github.io/personalPortfolio

Fast learner enthusiastic about creating practical solutions to everyday problems as a software engineer and seeking to grow my technical and team skills in an impactful work environment. Interested in the areas of diffusion models and machine vision.

Education:

University of California San Diego, San Diego, CA | B.S: Computer Science, Minor: Cognitive Science   *September 2022 - Present*
Expected Graduation: June 2025 | Planned M.S.: September 2025 - June 2026
- Cumulative GPA: 3.863, Major GPA: 3.941
- Relevant coursework: Computer Organization & Systems Programming, Data Structures, Design and Analysis of Algorithms, Theory of Computability, Data Science in Practice, Software Engineering, Database Systems, Machine Learning, Digital Systems, Operating Systems, AI Search and Reasoning, Statistical NLP
- Regents Scholar, Provost Honors
- Working through a prestigious research-oriented CSE Honors Program with the mentorship of a faculty member focused on the application of diffusion in text-to-image models
- Member of a research group led by a faculty member about the analysis of permutations with evolutionary algorithms

Work Experience:

CSE Instructional Assistant — University of California, San Diego   *September 2023 - Present*
- Leading self-organized weekly office hours to personally further the understanding of over 20 students a session in the topics of discrete math, algorithm analysis and design, and computability theory
- Responsible for organizing and monitoring the class forum which receives nearly 60 questions per week in order to elevate student engagement and understanding of material through contributing over 80% of the 500+ total instructor answers with an average response time of only 9 minutes for a class of 430+ students
- Actively collaborating with a small team by participating in weekly team meetings to grade and give feedback on the work of 430+ students per week, as well as proctor 3 hour long exams
- 100% approval rating from 50+ unique students based on end of quarter evaluations

Co-Founder, Software Developer, Event Organizer — Cohack   *June 2020 - Present*
- Recognized a critical issue during the pandemic to organize a virtual hackathon alongside a small team with over 300 participants gathered in a span of just 2 months of advertising as well as 10+ industry speakers, mentors, and sponsors including the CEOs of notable tech companies like Repl.it and EchoAR
- Collaborated to create both the front and backend and deploy a website (cohack.co) in order to advertise the virtual hackathon as well as online classes, successfully attracting over 300 participants to the hackathon and the desired size of 20 people for the classes
- Engaged with speakers, mentors, sponsors and 300+ attendees to organize a 24 hour long virtual hackathon
- Led workshops that taught HTML, CSS, and Python skills to a class of 20 middle school students in order to further their understanding and give them a head start with their high school classes.

Skills:

Java, C/C++, Python, JavaScript, HTML, CSS, Django, PyTorch, Tensorflow, Flask, React, AWS, SQL, Git, Android Apps

Projects:

Colex: AI text recognition to generate different difficulty levels of texts, 1st place in AuburnHacks
Digit Recognizer: CNN handwritten single digit recognition using the MNIST dataset
Data Tracker: Automated data collection through web scraping to generate visually simple information using Python
Seating Chart Generator (In progress): Tensorflow CNNs for sectioning and classifying PDFs to produce ready-to-use CSVs