

# ASSEM BEKBOLATKYZY

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## EDUCATION

### Minerva University

San Francisco, CA

*Candidate for Bachelor of Science - Computer Science and Business Major*

*2021 - expected 2025*

**Relevant courses:** Data Structures, Algorithms, Software Development, Probability, Statistics, Optimization Methods

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**Technical Skills:** Python, Java, JavaScript, R, Machine Learning, SQL(PostgreSQL, MySQL)

**Libraries:** MSOffice(G Spreadsheet), Matplotlib, Seaborn, Pandas, Django, Flask, React, Unittest, Tensorflow

**Databases, and Tools:** Docker, CI, Figma, Git, VisualStudio, Google Cloud, Heroku, Jira, Asana, Tableau, Excel

**Certifications:** Project management by Google, SQL by Coursera

**Languages:** English (Fluent); Russian (Native); Kazakh (Native); German (Advanced); French; Spanish; Chinese

**Interests:** Zumba, Swimming, Hockey Fan, Language Learning

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## TECHNICAL PROJECTS

### Seat Detector (Django, Vue.js, MySQL, CSS, HTML)

June 2023 - August 2023

- Employed a 2000-sample dataset to fine-tune the YOLO model for accurate seat detection, and integrated OpenCV to dynamically outline identified objects, and update seating status with more than 90% accuracy.
- Engineered a web service enabling continuous database updates through CCTV footage batch processing while utilizing Google Maps API to dynamically update restaurant seat availability with a 60% faster response time.

### Tinder for Food (Flask, React.js, PHP, MySQL, HTML, CSS)

January 2022 - March 2022

- Designed the entire login system to allow CRUD operations for a [food-matching service](#) and analyzed automated tests for CI, database integrity, and HTTP request-response achieving a 95% pass rate.
  - Prototyped the app interface using Figma and managed deliverable deadlines in a lifespan of 3 months for front and back-end teams of 6 using Waterfall methodology.
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## EXPERIENCE

### iD Tech

Stanford, CA

*Artificial Intelligence, Machine Learning, Application, and Game Development Instructor*

*June 2023 - August 2023*

- Educated Python, Java, AI, and ML utilizing OOP, TensorFlow, and OpenCV to a cohort of 100 students, dedicating 40 hours weekly.
- Coordinated 30 complex projects involving sign recognition and large datasets(e.g. YOLO, CIFAR) by applying advanced concepts of CNN, DNN, and Deep Learning.
- Fostered roadmap development, feedback integration, iterative development, and task prioritization skills; and received excellent feedback from 95% of students for project support and guidance.

### Minerva University

San Francisco, CA

*Data Structures and Algorithms Curriculum Intern*

*June 2023- August 2023*

- Revamped course guide and 25 class workbooks to AI use, providing feedback, suggesting improvements, and developed a student guide on using AI-powered engines like GitHub Co-pilot.
- Assessed assignment banks of problems through AI engines, proposing 4 innovative, context-specific alternative assignments on Counting Bloom Filters to foster creativity, and responsible use of AI in education.

*Experienced Admissions Processor*

*September 2021- May 2023*

- Analyzed 20,000 data points on previous application pools using SQL, Python libraries, Microsoft Excel, and Google Spreadsheets to refine university entrance tests.
  - Revised admissions tests and created an [HTML website](#) for training materials for future admissions processors increasing KPI by 20% via Agile methodology.
  - Developed an [API bot](#) for guiding students to file the application - reduced the number of email inquiries by 30%.
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