

# DZVENYSLAVA KOMAN

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## Education

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### B.S. in Computer Science and Political Science

GPA: 3.95

Minerva University (San Francisco, CA)

Expected 2023

- Engaging with an international student body (75% of students come from outside the US, across 40+ countries); will study and work in seven international cities for four years to develop a global perspective.
- Co-founder and leader of Women+ in CS Society; recruited 30+ members, implemented a mentorship program among students and alumni.

## Skills

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- Programming Languages: Python, JavaScript, HTML5, R, CSS3
- Tools: Git, Xcode, UIKit, Parse, VisualStudio, PyCharm, MongoDB, PostgreSQL
- Libraries and Web frameworks: Bootstrap, Node.js, Pandas, NumPy, sk-learn, Matplotlib, Tensorflow
- Languages: Ukrainian (native); English, German (advanced); Polish, Russian (upper-intermediate)

## Experience

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### Software Engineering Intern

05/2021 – Present

Onfleet (San Francisco, CA)

- Implementing a WhatsApp-based notification system (using Twilio WhatsApp Business API) to replace on-demand SMS notification with extensive unit testing using PostgreSQL and JS.
- Architected the WhatsApp project in its entirety from a design document to its implementation and integration.
- Developed a system that sends around 4000 emails/day using JavaScript and SendGrid API; included implementation of a series of webhooks and implementation of a queue to enable processing of a large number of emails at the same time.

### Lead of Student Research and Development Team

01/2021 – 04/2021

Sandbox Network (Seoul, South Korea)

- Led a team of 5 to develop a market entry strategy for a Korean Youtube channel with 2 million subscribers.
- Developed a data-scraping algorithm in Python that outputs statistics about Youtube channel's engagement in promotions, helping the company decide on potential partnerships with creators.

### Lead of Student Research and Development Team

10/2019 – 04/2020

Newday Impact Investing (San Francisco, CA)

- Led a team of 5 to develop a Python algorithm for scoring sustainability of consumer transactions to enable Newday to incentivize more sustainable consumer behavior through gamification.

## Projects

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### FridgeHack, BCG Platinion & Doctors Without Borders Hackathon

- Developed a cost-effective in-house solution for the problem of cold supply management in medicine warehouses managed by Doctors Without Borders.
- Using a set of Raspberry Pi's, temperature and humidity sensors, set up a system to monitor temperature in fridges and notify the user if there are any violations; the data gathered by sensors is backed-up on AWS Athena and then notifications are implemented using AWS Lambda function.
- Designed and implemented frontend with HTML, CSS, and Bootstrap.

### Algorithmic Trading Bot

- Building a trading bot using AWS and Python (NumPy, Pandas, Matplotlib, scikit-learn, Keras and Tensorflow) and OANDA API, as a non-school project. Testing the algorithm using historical data.

### HandyFriends (Hirely), Codepath iOS University

- Completed a 10-week iOS Development course that culminated in the group project with development of an iOS app that connects users with skilled contractors for everyday jobs such as cleaning, plumbing, etc. Responsibilities in the final project included wireframing, schema design, partial implementation of authentications for users using Google Firebase, and coding 2 out of 4 screens.