

# ALI KUTLUOZEN

Software & Artificial Intelligence Engineer | Computer Scientist

- Mobile: +1 (516) 884-8946
- Email: kutluozen.ali@gmail.com

## SKILLS

### Languages & Frameworks:

- Python: ROS (Kinetic), Flask, NumPy, Scikit-learn, SciPy, TensorFlow, Jupyter
- JavaScript: Node.js, Vue.js, TypeScript
- PHP: Laravel, Lumen, CodeIgniter
- C++: ROS (Kinetic)
- Java: Spring

### Systems, Services & Tools:

- Raspberry PI and Jetson Nano for IoT robotics
- AWS for cloud management
- Git and Jira for project management
- Ubuntu 16.04, Raspbian, and AMI as OS

## CERTIFICATIONS



Computational Neuroscience



AWS Certified Solutions Architect

## VOLUNTEER

### Data Science and Coding Club

Lead a company-wide coding club at CVO and taught programming and AI basics.

### Junior Achievement USA

Taught courses to 3<sup>rd</sup> graders about math, cities, taxes, banking, and communities.

## PERSONAL INTERESTS

**Music:** Composing, producing, and performing in styles of rock and blues

**Arts:** Drawing 2D/3D characters, objects, and landscapes to use in personal projects

**Sports:** Practicing Wing Chun Kung Fu and Baguazhang

## WORK EXPERIENCE

### Lead Developer & Robotist – Darkeye.ai Project

*Manhattan, New York (2019-Present)*

- Built an autonomous robot base that can carry loads that are over 200lbs. The current (5<sup>th</sup>) iteration is a 6-foot robot that carries 2 32" touchscreens for user interaction and it features object following, teleoperation, collision avoidance, and SLAM. Also, the robot can be controlled and monitored as an IoT device using a mobile application.

### Data Scientist – Uplead.ai

*Plainview, New York (2019-2020)*

- Built, trained, and deployed a neural network model that predicts if visitors will convert based on their behavior on client websites with %83 accuracy.
- Developed cloud APIs around the model for easy training, prediction, and access.

### Software Development Engineer II – LivePerson

*Manhattan, New York (2019-2020)*

- Designed and developed features for the core connector service that processes millions of messages a day.
- Lead the web team for the brand new community recommendation application Maven.

### Software Engineer – ClearVision Optical

*Hauppauge, New York (2016-2019, 2020-present)*

- Developed data analysis tools, cloud applications, and content management systems for various departments, customers, and sales representatives all over the U.S.

#### Notable Projects

- DC Robot:** Built a prototype of an order picking robot using Jetson Nano.
- CVO Clubhouse:** An intranet system that lets the employees share documents, enter competitions, claim prizes, get productivity reporting; all complete with a CMS.
- Catalog Ordering App:** A full-fledged mobile ordering and reporting application.
- Alt-CRM:** Alt-CRM parses customer information from unstructured data that is gathered from expos and meetings. It then identifies possible clients, verifies their addresses, and generates reports based on the results.
- Red's Journey:** An infinite runner game that has a marketplace with various items, user registration, and competitions. The game has been featured at Vision Expo East and West in 2017, attracting hundreds of players to the company booth.
- Portal:** The main application portal of the company.

### Junior Web Developer – Gizlen Global

*New Jersey, New York City Area (2014-2016)*

- Designed websites and graphics for international clients.
- Developed plugins for WordPress.

### Web Designer – Weiner Music

*Mineola, New York (2014-2016)*

- Modernized the company website.
- Kept all the website content and product data updated.

## EDUCATION



### Georgia Institute of Technology

*Atlanta, Georgia (2018-2021)*

Master of Science in Computer Science

- Coursework:** Knowledge-based Artificial Intelligence, Artificial Intelligence, Human-computer Interaction, Machine Learning, Artificial intelligence for Robotics, Cyber-physical Design & Analysis, Reinforcement Learning

### SUNY College at Old Westbury

*Old Westbury, New York (2017)*

Bachelor of Science in Computer & Information Science

- Founder and president of Old Westbury Music Club
- 1st place at Student Government Association Talent Show

