Jovan **Jovancevic**

(+382) 69-304-713 | jj1652@nyu.edu | sherl0ck- | jovanjovancevic | Podgorica, Montenegro

Education

New York University Abu Dhabi   ABU DHABI, UAE

B.S. IN COMPUTER ENGINEERING (3.67/4.00)   *Sept 2014 – May 2018*

- Coursework in Software Engineering (Java), Data Science (Python), Embedded Systems (C++ and Python)

Study Abroad: New York University, New York   *Sept 2016 – May 2017*

- Coursework in Artificial Intelligence, Machine Learning, Computer Vision (Python), Robotics (MATLAB)

Experience

Amazon Software Engineering Intern, Seattle, WA   *May 2017 – Aug 2017*

- Designed an Excel document-processing web service to aid stock clerks with providing inventory state data
- Wrote the code in Java 8 making use of DynamoDB and S3; the service was error-tolerant and easy to use
- Thoroughly tested the code, which was reviewed and pushed to production for internal use

Design and Innovation Teaching Assistant, NYUAD   *Jan 2018*

- Helped students tackle/debug concrete programming and electronics problems – mostly Arduino and RaspberryPi
- Set up a RPi infrastructure to kickstart NodeRED coding for a class of 30
- Brainstormed with student teams and facilitated their development sprints from ideation to prototyping

Intro to Programming for Engineers Teaching Assistant, NYUAD   *Sept 2017 – Dec 2017*

- Broke down basic programming concepts, such as functions, pointers, OOP and algorithms in labs/recitations
- Graded an assignment and quizzes for a class of 60 first year students in C++

Italian Institute for Nuclear Physics Data Analysis Intern, Abruzzo, Italy   *Jul 2016*

- Improved data acquisition from Xenon1T dark matter detector by allowing for more complex data querying
- Performed a temporal case study of level meters using standard python libraries (numpy, scipy, pandas...)

Projects

reefRover AUV Senior Design Project   *Sept 2017 – May 2018*

- Integrated a ZED stereo system with NVIDIA Jetson TX2 GPU to deploy a 3D reconstruction algorithm underwater
- Wrote bash scripts to monitor system temperature to assess effects of overheating
- Won 2nd place at *UAE Drones for Good Award 2016* and presented at *Impact2* conference in Paris

Vision-based Navigation Embedded Systems   *Mar 2018 – May 2018*

- Implemented a line and ball tracking algorithm for a DSRobot using OpenCV and a simple RGB webcam
- Enabled the robot to follow a path, a trajectory, and pursue an evader robot

poveziME A Montenegro-Specific Carpooling Mobile App   *Nov 2017 – Dec 2017*

- Led a team of three through ideation and implementation of a Montenegro-specific carpooling app
- Adapted to using React-Native and implemented the backend using Firebase database and authentication

Eye-Tracking Machine Learning   *Dec 2016*

- Collected 50k data points that mapped images to on-screen pixel windows
- Performed low-level feature extraction from saliency maps and applied Support Vector Regression and Lasso

Skills

Comfortable Python, Java, OpenCV, Git, Linux   **Familiar** C++, Arduino, Matlab

Interests

Chess: 2100 ELO rating | Football: college varsity team player | Hanabi – a cooperative card game

Languages

Montenegrin/Serbian – Native; English – Fluent; Slovenian – Conversational; Italian – Basic