

# Radu Revutchi

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Washington DC, USA  
Eligible to work in US & EU

## EDUCATION

### Carnegie Mellon University — B.S. in Computer Science

AUGUST 2017 - MAY 2021

Minor: Psychology

Courses Included: Computer Systems, Matrices and Linear Transformations, Algorithms and Design, Computer Security, Data Structures, Social Psychology

## PROJECTS

### Sound Phrase Classifier | Machine Learning | Python

- Identifies phrases in text that represent sounds using supervised and unsupervised ML methods including POS tagging and dependency parsing.
- Preprocesses text and runs on a word2vec-based SVM classifier.

### University Course Scheduler | Data Processing | Python

- Developed course scheduler for CMU students. Accesses internet for courses data. Saves course plans to external server for later retrieval.

### Memory Allocator | Systems | C

- Built a dynamic malloc library for C using segregated and explicit lists

### Virtual Machine for Co Language | Systems | C

- Developed a virtual machine for CMU's in-house Co language. Written in C.

### Licence Plate Reader | Image Processing | Python

- Created a program to read licence plate images and output the plate number.

## EXPERIENCE

### iGEM Competition | Boston | WebApp Developer

FEBRUARY 2019 - CURRENT

- Developing a Django-based database and web app for collecting DNA info
- Designed to process data and connect to field testing device

### NELS Project | Pittsburgh | Research Assistant

MAY 2018 - AUGUST 2018

- Developed a sound-phrase SVM classifier for Never-Ending Learner of Sound
- Worked under supervision of CMU Professor Bhiksha Raj.

### IMF/World Bank/IDB | Washington D.C. | Intern

JUNE 2016 - JULY 2016

- Debated global fiscal and monetary policy in relation to world poverty.
- Designed and developed Water Filtration project for Colombia.

## SOFTWARE SKILLS

Experienced in Python, C, SML, C++

Intermediate in Assembly, GDB, Web Scraping, SVM, Regex, Logistic Regression

## LANGUAGES

Fluent in Romanian & English

Proficient in Spanish & Russian

## AWARDS

Second Place in Computing Club Fall 2017 Hackathon

Dean's List for Fall 2017

Technical Award in CMU Spring 2018 Hackathon

Receive 50% CMU Scholarship

Oman Gulf Programming Contest

## EXTRACURRICULARS

PyCon Python Conference Attendee 2017 & 2018

Coursera Machine Learning by Andrew Ng

Planetary Society President

Debate Society Executive Member

Computing Club Member

Sri Lanka Service Trip 2018

Rwanda Service Trip 2019 to CMU Africa for high school STEM education