

- **Dinen (2017)**. Modular restaurant management web platform that connects customers with restaurant owners and staff. I worked on the backend team (PHP, MySQL) and handled the system administration and devops, making sure our servers (Debian, Apache, MySQL) were secure and functioning as expected. I also ported the project to a Docker container allowing users to easily set it up on any machine by downloading and configuring the image. The project had a team of seven members.
git.cpl.li/dinen
- **Cognitive Crowds (2017)**. A web dashboard that offers statistics of a crowd during a presentation. This includes the emotions and the attention of the crowd. All information is plotted on the video and highlights key words from the speech at any time during the presentation. The project was developed during HackCambridge, 24 hour hackathon and got awarded Bloomberg's Prize. Python, ffmpeg, OpenCV, MS Cognitive Services
<https://github.com/notAFK/cambridgehack-2017>
- **AutoDJ (2016)**. By using machine learning on a large dataset of music from YouTube and a cosine similarity matching algorithm, AutoDJ is able to generate new songs using a Restricted Boltzmann Machine and by performing emotion analysis on the user input in order to determine the best matching training data. AutoDJ was created during OxfordHack and won second place and Microsoft's prize. MS Text Analytics API, Cosine Similarity, RBM Neural Network in Tensorflow, Custom MIDI Scrapper/Converter, Python, CUDA
<https://github.com/notAFK/oxfordhack-2016>

ADDITIONAL EXPERIENCE AND AWARDS

- **GreatUniHack (2017), volunteer & mentor**. Helped with different miscellaneous tasks such as registration, setting up the venue during the day and at night helped the participants as a mentor, with technical issues and provided feedback and suggestions on technology related topics.
- **BAE Systems CTF (2016), 2nd Place**. A series of crypto challenges and ethical hacking competition. Used tools such as: WireShark (package sniffing), Python (Various scripts and networking), Custom forensics scripts (Python, Bash), Linux core commands and DOS.
- **LMI, Making of a champion (2015-2016)**. A one on one course which teaches self improvement by setting smart and challenging goals and the importance of self motivation.
- **Red Cross Volunteer (2014-2015)**. Assisting and helping the community by contributing at multiple social and charity events.

Languages, Technologies, Other Skills

- **Python; C; Go; ARM Assembly; SQL; Java; Bash/Shell; Regex;**
- **System design; Git; Linux; Docker; DevOps; Unit testing; Continuous Integration; Code quality; Test coverage; Unity3D Engine; Eclipse; Xcode; MS Cognitive Services; LaTeX; Vim; Blender; Photoshop; Illustrator; InDesign; Android Studio; MS Office Suite; Verilog;**
- **Soft skills: Debating; Self-Awareness; Teamwork; Leadership; Creativity; Time management; Organising projects;**
- **Languages: English, Romanian**