

Sahin Olut

Github: <https://github.com/norveclibalikei>

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EDUCATION

- **Istanbul Technical University** Istanbul, Turkey
Bachelor of Science in Computer Engineering and Science; GPA: 3.32 *Sep. 2014 – June 2019*
- **Istanbul Technical University** Istanbul, Turkey
Minor in Applied Physics *Sep. 2017*

EXPERIENCE

- **ITU Vision Lab.** Istanbul, Turkey
Undergraduate Research Member *Aug. 2017 - Present*
 - Deep Learning research under guidance of Prof. Gozde Unal and her PhD students. Generative models in special.(GANs, Autoencoders etc.)
 - **Publications:**
 - * Generative Adversarial Training for MRA Image Synthesis Using Multi-Contrast MRI, **Olut et al.**
Submitted to MIDL 2018 Conference Track. arXiv:1804.04366
- **Virasoft** Istanbul, Turkey
Software Engineering Intern *June 2017 - Aug. 2017*
 - Virasoft is a startup founded in 2015 September, focuses on medical imaging and digital pathology. Our goal was to improve the accuracy of deciding a tumor is malign or not.
 - **OpenCV:** Implemented some medical versions of known image processing algorithms in OpenCV.
 - **Machine Learning:** For better diagnosis results, I implemented some ML techniques(Neural nets and SVM) to product. It increased the accuracy of results by **2.5%** (from 69%)

PROJECTS

- **ITU Enrollment Tracker** Allows students to be notified when there are seats available in a class. It is a chat bot integrated to Facebook Messenger API. Many students(500+ in 2 days after release) have used and benefited from app. It was a holiday project but it turned out a hackathon for us, we shipped it before the start of enrollment week. Tech stack: NodeJS and MongoDB are used in back-end service. Codes are available on Github.
- **ITUnder** Peer finder app for study groups. Tech stack: React.js in front-end, Flask, PostgreSQL and NodeJS in back-end.

SKILLS

- **Computer Science:** Algorithms, Deep Learning, Computer Architecture, Signal Processing
- **Programming:** C, C++, Python, JavaScript, SQL, Haskell
- **Environments and Frameworks:** PyTorch, NodeJS, GNU/Linux, React.js, OpenCV, Git, L^AT_EX

HONORS & AWARDS

- **IKU Code Night:** 2nd place. It is a 24 hours long online competitive programming challenge.
- **National Liver Segmentation Challenge:** Ranked 1st place in automatic methods using a variant of U-Net.
- **Getir-BiTaksi Hackathon 2018:** 3rd place with an app called 'Gotur'. Used Redis, NodeJS, MongoDB.
- **Dean's High Honor List:** 2018
- **METU Computer Club 20th & 21th Programming Contest Finalist:** Competed about 210+ teams to qualify the final round which took place in Ankara. Questions asked in contest are about competitive programming
- **KU++ 2017 & 2018 Collegiate Programming Contest Finalist:** Competed about 180+ contestants to pass qualification round. NP problems are asked to contestants for optimizing the solution.

HOBBIES & ACTIVITIES

- **Inzva** A non-profit hacker space in Turkey. We regularly conduct meet-ups, I am assistant in deep learning meet-ups.
- I have been playing bass for 3 years, done many gigs with my band. Also member of the board at ITU Music Club.
- Active member of ITU ACM Student Chapter.

REFERENCES

- **Gozde Unal:** Professor in ITU, E-mail: gozde.unal@itu.edu.tr