

Doruk Karınca

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Profile

As music is central to my identity (both listening and making it), most of my interests have typically been around this theme. My interest in technology has bloomed rather later, but my app development and internship are my greatest longest-term activities, as I've started to build a serious interest in, and now consider the field as, a possible career pursuit.

Education

- TED Ankara College Foundation High School Sep 2011 - Jun 2015
 - Ankara, Turkey
 - IB Diploma Program Sep 2013 - Jun 2015
 - 2011-2012 Honor Award
 - 2012-2013 Honor Roll
 - 2013-2014 Honor Roll
 - 2014-2015 Honor Roll
- University of California, Los Angeles Sep 2015 - Jun 2019
 - Major: Electrical Engineering

Computer Skills

- **Javascript:** Using to develop the abovementioned app, History Slides, and also as part of Ionic Framework and Twitter API to create an alpha-stage Android app that allows its users to regularly check up on selected Twitter users without actually having to follow them. This is my key programming language.
- **Microsoft Office: Word, PowerPoint, Excel:** Having the essential knowledge to operate Word and Powerpoint, and being able to write mathematical functions in Excel to expedite the work of dealing with comprehensive scientific data that is expected as part of the IB curriculum.
- **Photoshop:** Having knowledge of masking and filtering, and removing objects in a photograph (eg. red eye, people, black spots), and making promotional posters for products, events and quotes, often in minimalist fashion.
- **CSS:** Using in the development of the abovementioned apps; History Slides and the Android app for UI design. Also using for making changes in the my father's business website template to do simple tasks such as changing global text font and repositioning the logo on the menu bar.
- **Linux shell:** Copying, moving and deleting files, editing text files using vi and nano, and running bash scripts.
- **Java:** Creating simple console applications without GUIs to acquaint myself with object oriented programming. Built a small application that keeps track of products in a convenience store based on product type and returning product properties (eg. price) upon request. Having knowledge of using primitive data types, objects, classes, inheriting methods to their subclasses, and creating and using interfaces.
- **HTML:** Used in History Slides, Twitter follower app and the abovementioned business website along with CSS for the declaration and manipulation of UI elements.
- **Oracle SQL Database Shell:** Selecting within, creating and dropping database tables, creating database users, changing user permissions and passwords.

- **MATLAB:** Basic matrix operations, image analysis through color-based filtering, conversion to binary form and morphological operations (ie. counting objects of different sizes)

Activity Areas

Professional

- Took first place as the leader of a business entrepreneurship model team in Youth Startup Weekend.
- Spoke at TEDxAnkaraKoleji before ~200 people about indecision and making decisions. Selected as one of only 12 speakers and it was my first public speech.
- Attended MUN, Goethe Institute Assembly and German Environmental Exchange as a journalist for the school newspaper and website. Articles published in German and Turkish local newspapers.

Music

- Released 5 song debut EP called “Underwater” as singer-songwriter playing acoustic guitar in chillout genre, includes 3 original compositions. Available on iTunes, Spotify and Youtube (<http://bit.ly/UnderwaterAlbum>).
- Selected to compete with own rock band against 300 other bands in a country-wide music competition (Vodafone Freezone Music contest) and recorded our first single.
- Performed before ~400 people with rock band at 4 annual concerts.
- Performed shuffle dance in 50 person dance group at New Year’s Eve show before audience of ~1,500.
- Played lead guitar in an alt pop band; style comparable to Coldplay and Two Door Cinema Club.

Technology

- Developed web app History Slides with HTML, Javascript and CSS that uses slides and interactive maps to tell chronological story of WWI in Europe, on www.historyslides.com. Currently developing the editor mode for users to be able to make their own slides. See HTML, CSS and Javascript under Computer Skills.
- Ongoing backend development of Android and iOS app named Uplift that aims to uplift the mood of the user while she/he supports charities of her/his choice.
- Explored the inner workings of databases and learned how to create and manage an Oracle-based one with hands-on experience at my summer internship as an admin in an Oracle associate company in Ankara. Observed debugging and database reparation methods. See Oracle SQL Database Shell under Computer Skills.
- Selected among applicants over the nation by Chemnitz University of Technology in Germany for scholarship funded 10 day electrical engineering introductory program. Learned soldering, circuit design and robot programming in C.

Community Service

- Conducted fundraising activity for a school for mentally disabled students. Visited school and provided 750 Turkish Liras in financial support.
- Arranged piano accompaniment and delivered concert for approximately 50 senior citizens in retirement home.

Science

- Demonstrated physics “Quantum-lock” experiment: levitating metal with a magnet through Eddy currents at -200°C for school audience of ~2000 people.

Language Skills

- Turkish Native language
- English Advanced (TOEFL iBT: 110)
- German Intermediate (Goethe Certificate B1)

Miscellaneous

- SAT Score: 2130
 - Reading: 680
 - Math: 780
 - Writing: 670
 - Taken in Nov 8, 2014