

# HIZAL ÇELİK

## CONTACT

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## PORTFOLIO

**hizalcelik.com**

## PROFILE

Interdisciplinary programmer and artist who loves creating front-facing designs and interfaces as well as general back-end development. Always combines diverse abilities to generate creative solutions to challenges and tasks. Work highlighted by supervisors as exemplary among peers. Fast learner who adapts to new environments, tools and teams quickly.

## KEY COURSES

Web Application Development  
Mobile and IoT Computing Services  
Art and Machine Learning  
Computation for Creative Practice  
Princ. of Imperative Computation  
Princ. of Software Construction  
Fndn. of Software Engineering

## SKILLS

Conquer the web:  
HTML5 / CSS3 / UI-UX  
Javascript / RESTful API  
Tackle the backend:  
Python / Django / Java  
Make novel creations:  
Processing / Arduino  
Create stunning visuals:  
Adobe Ps / Ae / Pr / Ai / Id  
Capture the moment:  
Photography / Videography  
Conjure a scene:  
Autodesk Maya / 3ds Max  
Think outside the box with:  
Microsoft PowerPoint  
Casually converse in:  
Turkish / German

## EDUCATION

CARNEGIE MELLON UNIVERSITY (PITTSBURGH, PA) 2018  
Bachelor of Fine Arts and Minor in Software Engineering

## SIGNIFICANT PROJECTS

NICKEL (DJANGO/WEBAPP) 2017  
An automated stock trend analysis tool designed to scan the entire listing of thousands of stocks and find trading opportunities based on chart patterns. This ambitious project required learning lots of new technologies, APIs and efficiency techniques to function properly. Its modern design is much needed in the financial industry.

TELL-E (DJANGO/WEBAPP) 2016  
An intuitive, modern web application designed for managing and tracking movies and shows. The unique design and features set this apart from potential competition. Designed in two projects, one aimed at mobile use and the other for desktop browsers.

YEAR ONE (GENERATIVE DATA-VISUALIZATION) 2016  
A multi-layered automated programming project that generates a completely unique 700+ page book of beautifully rendered data visualizations (of text messages sent between two people for a year) every time it's run. Written using 4 different programming languages, this is the most complex and unique creation in the portfolio.

SCRABBLE (JAVA GAME) 2015  
A unique custom word-placement-finding algorithm was developed to create a more enjoyable and effortless experience playing Scrabble on a PC. The GUI is the cleanest and most modern PC Scrabble game of any other found on the web. Professors said it was "above and beyond" their expectations, compared to hundreds of others.

## JOB EXPERIENCE

FRONT-END DEVELOPMENT, MARINUS ANALYTICS - PITTSBURGH 2017  
Designed and developed user interface and user experience for a new feature, a graphical analysis of adjustable data parameters over time. As a part of their lead analytics suite "Traffic Jam", feature will be used by FBI and local law enforcement.

PRODUCT DESIGN INTERN, LIQUIDNET HOLDINGS, INC - NYC 2016-17  
*Summer '16:* Overhauled global development Bootstrap styleguide. Redesigned UI, UX and structure of globally used critical application. Held multiple meetings, case studies and presentations with global users and dev teams to accomplish tasks.  
*Summer '17:* Inherited all active and upcoming projects, tasks and responsibilities of a full-time designer on sabbatical, and handled dense workload flawlessly. Made interactive HTML prototypes, sparking a reinvention in company-wide design process.

CODING/PHOTOGRAPHY, PITTSBURGH FLAG FOOTBALL LEAGUE since 2015  
Photography of weekly games for youth and adult leagues.  
Developed an automated match scheduler (Django webapp).

GRAPHIC DESIGN, OFFICE OF STUDENT ACTIVITIES, CARNEGIE MELLON UNI. 2014-16  
Created promotional designs for events and organizations using posters, banners, postcards, website banners and other mediums.  
Worked on projects simultaneously for multiple clients.

PROFESSIONAL PHOTOGRAPHY since 2012  
Includes photography for 12 weddings, over 40 events, 5 different types of sports covering for 8 years, 15 family/solo portrait sessions, and many other types of gigs.