

Ecenaz 'Jen' Ozmen

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EDUCATION

Columbia University, Columbia College, New York City, NY

Expected May 2021

Bachelor of Arts in Computer Science, Concentration in Philosophy

3.85 GPA | Dean's List

Relevant Coursework: Fundamentals of Computer Systems, Advanced Programming (in C/C++), User Interface Design, Programming Languages & Translators, Parallel Functional Programming, Operating Systems, Cloud Computing, Databases

EXPERIENCE

Google LLC, Information Security Engineering

June 2020 – September 2020

Software Engineering Intern

- Implemented and enabled injection defenses and resource isolation mechanisms (Content Security Policy, Fetch Metadata, COOP, COEP) in open source server-side frameworks (Wicket, Struts, .NET Core)
- Refactored existing security features to improve usability and flexibility for developers
- Designed a web based (Node.js) test framework to produce security violation reports on demand across browsers, producing human readable and actionable output from CSP, Trusted Types, COEP violation reports

Columbia University, Computational Design Lab

September 2018 - Present

Research Assistant

- Focused on building applications that combine human and machine intelligence to create striking visual metaphors, which blend symbols of different concepts to convey a message
- Build and deploy Flask apps (Symbol Finder, WordBlender) to help people design creative visual metaphors by providing a fluid interface and automating parts of the brainstorming process
- Design and build an interactive implementation of the GrabCut algorithm (for extracting objects from images) with a web interface
- Co-authored two published papers: "WordBlender: principles and tools for generating word blends", "VisiFit: AI Tools to Iteratively Improve Visual Blends"

Columbia University, Computer Science Department

January 2020 – Present

Teaching Assistant for User Interface Design (COMS 4170)

- Run office hours, grade assignments involving Flask-based servers, JavaScript, HTML/CSS
- Run design studio sessions to help students throughout the design process for their final project

Columbia University, School of Professional Studies

July 2019 – August 2019

Teaching Assistant for Fundamentals of C (Summer Program for High School Students)

- Helped students with programming assignments and debugging in C
- Checked homework assignments and provided feedback to students

Emerging Scholars Program, Columbia University

September 2018 - Present

Peer Leader

- Lead weekly hour-long seminars introducing different research areas of Computer Science to encourage students in introductory-level Computer Science courses to pursue the field
- Participate in weekly meetings with the coordinators of the program to discuss and improve the content

Izmir Institute of Technology, Izmir, Turkey

June – August 2018

Volunteer Assistant, Computer Engineering Department

- Designed and edited various small-size and mid-size projects and ran unit tests
- Designed Graphical User Interfaces (GUI) using Java Swing and Swift for existing projects
- Helped edit prompts and homework assignments for Dr. Tugkan Tuglular's Data Structures class

Rockefeller University, New York City, NY

June – August 2016

Summer Science Research Program Participant, Birsoy Lab

- Collected data through various experimental procedures (Western Blots, Cell Titer Glow, BCA etc.) and conducted literature review on stress pathways involved in ammonia-toxicity, presented the results and prepared an abstract

EXTRACURRICULARS & LEADERSHIP

Residential Life, Columbia University

August 2019 – May 2020

Resident Adviser

- Promote a positive living environment by coordinating events aimed at having residents interact
- Create monthly informational boards that promote diversity, academics, engagement, and health
- Ensure supervisors are informed of activities, issues and concerns in a timely and professional manner

Camp Kesem, Columbia University Chapter

December 2017 - Present

Volunteer Counselor

- Work with a team of counselors to provide emotional support to children aged 6-17, who have been impacted by a parent or guardian's cancer
- Publicize the organization and fundraising activities in order to make the camp accessible

Global Recruitment Committee, Columbia University

November 2017 - Present

Admissions Office Volunteer

- Conduct outreach to prospective students to answer their questions about admissions and student life
- Participate in organizing and facilitating events such as Days On Campus
- Interview prospective students and report the results as part of the Student Interviewing Program

SKILLS & INTERESTS

Computer: Programming in Java, Python, C, JavaScript (Angular, jQuery), Node.js, HTML, Go, LaTeX; Microsoft Office

Languages: Proficiently bilingual in Turkish and English, Working knowledge of German

Interests: Windsurfing, philosophy, learning new languages, science communication and outreach