

## EXPERIENCE

MICROSOFT  
SOFTWARE ENGINEER

REDMOND, WA, USA | 08.2018 - PRESENT

As a part of Azure IoT team,

- Developed UI and its open source SDK for Azure Time Series Insights platform
  - Currently, working on UI library development for Azure Digital Twins platform
- #React #JavaScript #TypeScript #HTML #CSS #Redux #UX #IoT #DataVisualization

MICHIGAN STATE UNIVERSITY  
SOFTWARE DEVELOPER

EAST LANSING, MI, USA | 03-05.2018

Contributed to design and development of an online peer support portal for HIV/AIDS patients to help them deal with social stigma:

- Forked and deployed Discourse (open source discussion forum) for easy access
- Added SMS based two factor authentication using Twilio API for a trusted space
- Implemented a recommendation system using a narrative matching algorithm based on the stories users share

#RubyOnRails #Ember.js #JavaScript #HTML #CSS #RubyMine #Postman #Trello #PostgreSQL #AtlassianJira #Nginx

MICHIGAN STATE UNIVERSITY  
GRADUATE RESEARCHER

EAST LANSING, MI, USA | 2016 - 2018

**iVerse Lab Member** - Contributed to experimental research studies about virtual reality and video games, and conducted UX research on various subjects:

- Created an interactive 360 VR experience to help people with depression seek counselling by simulating a session using (accepted at HCI'18 & ICA'18)
- As the primary investigator, observed the relationship between mental and physical load in exergames, and their effects on gameplay experiences by conducting a lab experiment with 114 subjects
- Conducted ethnographic research and competitive analysis on VR and AR apps for design recommendations about long-distance communication
- Designed, developed and playtested the initial prototype of a multiplayer VR exergame, *World of Riders*, for high intensity interval training practice (presented at ACM CHI Play'16 and Meaningful Play'16 Conferences)

#Unity #C# #VR #DataAnalysis #SPSS #ExperimentalStudy #UXResearch

**Nexus Lab Member** - Contributed to collective intelligence related projects:

- Coded 2000 posts in a online conspiracy forum for content analysis to understand the evolution of collective pseudo-knowledge (accepted by SMSociety'17)
- Designed wireframes and developed a website to extract causal knowledge in online forum posts to be used by MTurk workers

#Balsamiq #Grails #JavaScript #Bootstrap #HTML #CSS #MySQL #Heroku

**Teaching Excluded Assistant:**

- Assisted in grading assignments of *Interactive Media Development, Server-Side Web Development* and *Introduction to Applied Programming* undergraduate courses ranging from 40 to 65 students
- Hold office hours for *Interactive Media Development* and *Server-Side Web Development* courses 4 hours per week

**Other highlighted projects:**

- Prototyped a wearable wrist band to make decision making easier for groups
- Proposed a strategic plan of CRM and social media design for NAMI Michigan
- Investigated campus wide views on banning whiteboards from dormitories due to bullying using a survey with ~450 students, 2 focus groups and interview

#UserObservation #Interview #Personas #Narratives #AffinityDiagrams #Sketching #TransitionDiagram #PaperPrototyping #UserTesting #Survey #FocusGroup #CRM #SWOTAnalysis #MarvelApp #SocialMediaCampaign

ARCELIK A.S.  
R&D SOFTWARE ENGINEER

ANKARA, TURKEY | 2012 - 2014

Worked on application development for Beko/Grundig/Arcelik Smart TVs' appstores.

- Involved in analysis, design, planning, implementation and maintenance stages
- Helped with development of UI library to be consumed in app development
- Contributed to the development of a cross-platform and web-based project management tool for internal use by modifying an open source project
- Helped reporting using Google Charts for appstore analytics monthly basis
- Implemented a patented virtual keyboard idea with an high-fidelity prototype

#RubyonRails #JavaScript #HTML #CSS #Minicom #StarTeam #RubyMine #MongoDB

TODEM INFORMATICS  
SOFTWARE SPECIALIST

ANKARA, TURKEY | 2011 - 2012

- Created a web based medicine catalog
- Developed Sahibinden.com (e-shopping), NTV Haber (news), NTV Spor (sport), NTV Hava (weather) applications for Samsung Smart TVs' App Store in Turkey

#J2EE #JSP #JavaScript #HTML #CSS #jQuery #AJAX #SamsungTVSDK #RestfulAPIs

ENOCTA  
GAME DEVELOPER (PART-TIME)

ANKARA, TURKEY | 2010 - 2011

Created a single player racing video game for 4D simulator using Unity assets

#Unity #C#

SIMSOFT  
INTERN (ENGINEER) TURKEY | 2010Created simulations of 3 different types of caterpillar vehicles  
#NVIDIAPhysXEngineSDK #C++ZIBUMI  
INTERN (DESIGNER) TURKEY | 2009Designed graphics for a game played over 3,000 players on kongregate.com  
#Flash #Animations #AdobePhotoshop

## EDUCATION

MICHIGAN STATE UNIVERSITY EAST LANSING, MI, USA | 2016 - 2018  
M.A. MEDIA AND INFORMATION (HCI Specialization)

Thesis: "The Effects of Mental and Physical Load in Exergames on Gameplay Experiences"

Strosacker Foundation Research Fund for Health and Risk Communication Nancy Seidman Dempsey Memorial Scholarship Lillian Kumata Scholarship

MIDDLE EAST TECHNICAL UNIVERSITY ANKARA, TURKEY | 2012 - 2015  
M.S. GAME TECHNOLOGIES (Design Track)

Thesis: "Time Pressure as Video Game Design Element and Basic Need Satisfaction"

MIDDLE EAST TECHNICAL UNIVERSITY ANKARA, TURKEY | 2006 - 2011  
B.S. COMPUTER ENGINEERING

Senior Thesis: "Brainwave Based Concentration Enhancement with Video Game"

## SKILLS

## UX RESEARCH

Experimental Research, User Observation, Competitive Analysis, Usability Testing, Playtesting, Task Analysis, Survey, Interview, Focus Group, Case Studies, Heuristic Evaluation, Affinity Diagrams, Use Cases, Task Scenarios, Personas, Design Thinking, Research Paper, SPSS, Qualtrics, Data Analysis, Python

## WEB DESIGN AND DEVELOPMENT

Front-end: JavaScript (OOP), HTML, CSS, React, Redux, TypeScript, Ember.js  
Back-end: Ruby on Rails, Grails, PHP, RESTful Web Services  
DB, IDEs and Tools: PostgreSQL, MySQL, IntelliJ IDEA, RubyMine, NetBeans, Sublime Text, Visual Studio Code, WordPress, DevTools, Postman, Responsive Design

## GAME DESIGN AND DEVELOPMENT &amp; VR

Unity, C#, Virtual Reality (Gear VR, HTC Vive with eye tracker, Oculus Rift), Audacity, SketchUp, Adobe Mixamo

## UX/UI DESIGN

Sketching, Wireframes (Balsamiq), Transition Diagram, Storyboarding, Prototyping (Marvel App, Axure RP, InVision, Figma, Zeplin), Adobe Photoshop, Social Media Design, iMovie, Adobe Premiere

## PROJECT MANAGEMENT

Team Leadership, Defining Scope, Resource Planning, SRS &amp; SDD Documentation, Atlassian Jira, Git, Trello, Slack, Mind-mapping, Primavera, StarTeam, Redmine, Waterfall-Agile-Scrum Methodologies, Pair Programming, Code Review, CRM

Experienced with: C, C++, Java, Haskell, JSP, MongoDB, Android Studio, OpenSim, GNU/Linux

## ACTIVITIES

## Visual Arts

Drawing, painting, crafting, video editing, photography

## Microsoft Giving Campaign Volunteer

Helping to run yearly giving campaign within Turkish community and fundraiser of a project to support Turkish students' graduate studies in USA

## Mentoring

Mentoring college students in Turkey in collaboration with various non-profit organizations

## Reading

Specifically interested in philosophy, psychology, astronomy and cognitive science

Seattle Turkish Film Festival Short Film Competition Pre-jury Member 2019-present

## Web Design and Development

HomeInAway.com

Reviewer for GHC'20/21 (HCI Committee Member) &amp; ICA'16 Game Studies Division

Google Travel Grant Recipient for Society of Women Engineers (SWE)'18

Volunteer for STEM Night at Pincrest Elementary School, MI November 2017  
As MSU iVerse Lab, we introduced kids (~50) to the VR technologyGlobal Festival Gift Shop Volunteer, MSU November 2017  
Helped Lillian Kumata Foundation with selling gifts to raise money for students

Conducted an interview with Dr. Richard Stallman, MSU April 2017

Volunteer Google AdWords Project Member for NAMI Michigan, MSU 2016  
Contributed with campaign management, content management and graphic design

Google Solve for X'15 &amp; Google Creative Skills for Innovation'14 Participant

Global Game Jam(GGJ)'13 Participant

Computer Club Board Member & Head of Graphic Design Group, METU 2010-2012  
Helped organization of programming contests, led the design group, columnist in e-bergi

Fine Arts Community Member, METU 2008