

EXPERIENCE

MICROSOFT SOFTWARE ENGINEER

REDMOND, WA, USA | 08.2018 - PRESENT

As a part of Azure IoT - Time Series Insights UX team, developing UI components for the web platform and its open source SDK

#React #JavaScript #TypeScript #HTML #SCSS #Redux #D3 #RxJS #UX

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

#Grails #Groovy #Ember.js #JavaScript #HTML #CSS #RubyMine #Postman #Trello #PostgreSQL #AtlassianJira #Nginx #IntelliJIDEA

MICHIGAN STATE UNIVERSITY GRADUATE RESEARCHER

EAST LANSING, MI, USA | 2016 - 2017

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
- 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 an 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 research studies:

- 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 and appstore development for Beko/Grundig/Arcelik Smart TVs for millions of users

- 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 appstore usage analytics reporting on monthly basis using Google Charts
- 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#

SIMSOFIT

INTERN (ENGINEER) TURKEY | 2010

Created simulations of 3 different types of caterpillar vehicles
#NVIDIAPhysXEngineSDK #C++

ZIBUMI

INTERN (DESIGNER) TURKEY | 2009

Designed graphics for a game played over 3,000 players on kongregate.com
#Flash #Animations #AdobePhotoshop

EDUCATION

MICHIGAN STATE UNIVERSITY

EAST LANSING, MI, USA | 2016 - 2017

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 & 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, DaVinci Resolve

PROJECT MANAGEMENT

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

Experienced: C/C++, Java, Haskell, JSP, RxJS, D3.js, MongoDB, Android Studio, GNU/Linux

ACTIVITIES

Visual Arts

Drawing, painting, crafting, video editing, photography

Microsoft Giving Campaign Volunteer

Fundraiser of a project to support Turkish students' graduate studies in USA

Mentoring

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

Seattle Turkish Film Festival Short Film Competition Pre-jury Member

Web Design and Development

Deployed HomeInAway.com to help students living abroad deal with culture shock

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

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

Interview with Dr. Richard Stallman

Initiated the invitation for giving a talk at MSU about freedom in digital age and conducted an interview with him after his talk

Google AdWords Project Member for NAMI Michigan, MSU

Contributed with campaign management, content management and graphic design

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

Practiced design thinking for various problems about health and education

Global Game Jam (GGJ)'13 Participant

Designed and developed a video game using Unity within 48 hours as a member of a team

Computer Club Board Member & Head of Graphic Design Group, METU

Helped organization of programming contests, led the design group, columnist in e-bergi

Fine Arts Community Member, METU

Participated many demonstrations of art pieces at the campus mainly including drawings