

Mehmet Firat Aksoy

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EDUCATION

Texas Christian University

John V. Roach Honors College – Bachelor of Science

Major: Computer Science | Minors: Honors, Mathematics

Fort Worth, TX

May 2023

- Chancellor's Scholars – Highest academic distinction in TCU, given to only 50 students per year
- Dean's List – For achieving 4.0 GPA during the Spring 2020 semester

CERTIFICATIONS

Google Professional IT Support Certificate

*October 2021

MS SQL From A-to-Z

September 2019

EXPERIENCE

Research Assistant – TCU College of Science and Engineering

June 2021 - Present

- Working one-on-one with professors at TCU, utilizing Programming Protocol-Independent Packet Processors to develop telemetry and traceability for the control plane
- Using a domain-specific language to program a SDN chip based on the requirements of ASIC chips by writing Python scripts for complex network simulations on Linux machines utilizing mini-net

Private Tutor - Java Object Oriented Programming

February 2021 – June 2021

- Tutored students with individualized teaching methods on OOP with Java for over 150 hours for 2021 AP Computer Science A exam
- All 6 of my students received the grade 5 in their exams, which is the highest grade possible

Software Engineering Intern – Anlas Automation

September – December 2019

- Participated in design meetings to understand how an ERP system software is implemented for companies, ranging from Adidas to small businesses.
- Analyzed discrepancies within the company's software, lessening authentication errors by 15%
- Enhanced company's licensing authorization software's UI using JavaFX

INDEPENDENT PROJECTS

Personal Website – mfirataksoy.com

August 2021 – Present

- Netlify hosted, Bootstrap and jQuery UI for frontend. Designed elements on Adobe suite

Sticker Feed with WhatsApp & Telegram Chatbots – stickerhub.io

June 2021 – Present

- Facebook requires downloading 3rd party apps on phones to use stickers on WhatsApp. Created this project to allow users to use stickers on these apps without downloading additional apps
- Users can upload stickers directly to the website through messaging Node.js operated WhatsApp bots
- Used official Telegram API, Vue.JS, Firebase, AWS. Programmed an unofficial WhatsApp API for the bot

Google Docs-like Note Taking Application – notewith.me

May 2021 – Present

- Take notes and share documents quickly by sharing a link without making any accounts
- Simultaneous editing of documents for over 20 users at once. Made for class activities during online education since the pandemic. Supports video embedding, images, and hundreds of fonts
- Used MongoDB, Express, Vue.JS, Vue-Quill, Node.js

Billing & Tipping iOS App – github.com/mfirataksoy/iOS_Billing_App

September 2021 - Present

- Made with Swift 5 to calculate the total bills of restaurant clients. Working on adding Stripe payments

TECHNICAL SKILLS

Programming Languages & Technologies: Java, Python, Swift, HTML5/CSS3, JavaScript, Vue.js, React.js, Node.js, Spring, Hibernate, Bootstrap, Google Cloud, MongoDB, Firebase, Express, MySQL, Git, Mobile Dev School & Other Coursework: Algorithms, Linux Administration, Networking, Machine Learning, Artificial Intelligence, Back-End Development, Full-Stack Development, iOS Development, CSF (Assembly and C)