

Parsa Hejabi

[linkedin.com/in/parsa-hejabi](https://www.linkedin.com/in/parsa-hejabi) | github.com/ParsaHejabi | parsahejabi.com

EDUCATION

University of Southern California, Viterbi School of Engineering

Master of Science in Computer Science (Artificial Intelligence specialization) (GPA: 3.83/4.0)

Expected May 2023

Shahid Beheshti University – Tehran, Iran

Bachelor of Science in Computer Engineering (GPA: 3.7/4.0)

Sep 2016–Feb 2021

SKILLS

Programming, Query, Markup Languages: Python, Java, JavaScript, C/C++, PHP, TypeScript, SQL, GraphQL, HTML, CSS

Web Frameworks (Backend): Node.js, Express.js, Flask, Symfony, PHPUnit

Web Frameworks (Frontend): React.js, React Native, Angular, Bootstrap, jQuery, Android SDK

Databases and Caches: MongoDB, PostgreSQL, MySQL, Memcached, Redis

Libraries: NumPy, pandas, scikit-learn, TensorFlow, PyTorch, spaCy, Chart.js, Highcharts

Project Management and IaaS: AWS, Agile, Google Cloud Platform, Git, Docker, TDD, Pair Programming, Heroku

Computer Science: Data Structures and Algorithms, Computer Networking, Operating Systems, Design Patterns

EXPERIENCE

NLP Research Assistant – USC Information Sciences Institute (ISI) AI Division, MINDS group

Jan 2022–Present

- Design a pipeline to evaluate effects of moderation on online discourses by calculating a set of defined metrics
- Create a Reddit moderation prediction classifier by fine-tuning the BERT language model with 80% accuracy
- Build a pipeline for collecting and converting Twitter API V2 JSON to CSV files hosted in Amazon EC2 instance and Google Drive using Tweepy and Google Drive API, improving Twitter data processing speed

Software Engineer – Digikala Co., Tehran, Iran

Mar 2019–Jan 2020

- Enhanced a daily automated script for canceling out-of-stock order items by adding partial item cancellation feature
- Rewrote inbound dashboard page and designed a new API for caching data, which reduced page loading time by 15%
- Developed unit tests utilizing test-driven development which accelerated release of "online return" project by a week
- Improved SMS API performance by refactoring the whole SMS framework by employing pair programming technique

Software Engineering Intern – Rahnema Co., Tehran, Iran

Oct 2017–Dec 2017

- Implemented a bilingual picture-based social networking mobile application called "Pixel"
- Directed a group of six people employing scrum methodology (Agile) with one-week sprints to finish project on time

PROJECTS

Stock Search Android App – JavaScript (Express.js), Java (Android SDK)

- Developed an Android application in compliance with Google's Material design rules that allows searching for stock symbols and viewing detailed information in tabular and chart formats using Highcharts
- Added portfolio and trading features to favorite a stock symbol and trade stock with virtual money
- Deployed backend on Google Cloud Platform's App Engine

Stock Search Responsive Web App – TypeScript (Angular), Python (Flask)

- Made a responsive web application with Angular, Bootstrap, and Highcharts that allows searching for stock tickers and viewing detailed information and deployed it on the AWS Elastic Beanstalk

Data Collection Web App and Template – JavaScript, MERN, GraphQL, Semantic UI

- Collected students' sample inputs by launching a crowdsourcing web application employing gamification methods
- Constructed a dataset of 442 questions, 156 requests, and 150 opinions from 56 users to build a text classifier

Go AI Player – Python, NumPy

- Coded an AI agent which plays the Go game on a 5x5 board utilizing alpha-beta pruning algorithm, achieving a 95% win rate playing 100 games against various automated opponents, including a q-learning agent

LEADERSHIP

Head Teaching Assistant – Shahid Beheshti University, Tehran, Iran

Sep 2017–Jun 2021

- Managed and coordinated TA group, held TA sessions, specified TA sessions' syllabus, determined and graded homework, computer assignments, and final projects for over 200 students from three years of entry
- Courses: Artificial Intelligence, Internet Engineering, Operating Systems, Data Structures, and Advanced Programming