SINAN YUMURTACI

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Education

Colby College   Waterville, ME
Bachelor of Arts, GPA: 4.02   May 2023
Double Major in Computer Science and Economics, Minor in Statistics
Relevant Courses: Data Analysis & Visualization, Computational Modeling & Simulation

Technical Skills

- **Proficient:** Python, Pandas, MATLAB
- **Familiar:** SQL, HTML/CSS, JavaScript, PHP, Sklearn, AWS

Experience

Software Development Engineer Intern   Seattle, WA
98point6 Inc.   June 2021 - August 2021

- Designed and implemented auto-complete feature for physicians poised to save 120 hours/10,000$ yearly. Used Python, Scikit-learn to apply transfer learning
- Generated data-backed insights for managers that directly informed 2 product initiatives and 3 design proposals, using AWS Redshift SQL for analysis and Python and Pandas for data visualization

Computer Science Research Assistant   Waterville, ME
Computer Science Department, Colby College   August 2019 - Present

- Expanded the automation for running experiments, saving 25 hours in unproductive & routine tasks
- Developed a research model in an unfamiliar programming language while requiring minimal guidance and exceeding deadline expectations
- Co-authored a paper approved for publishing in the eNeuro journal (IF: 3.3)

Economics Research Assistant   Waterville, ME
Economics Department, Colby College   January 2020 - August 2021

- Analyzed fishing conditions in Africa using satellite imagery over 18 years across 3 different datasets
- Identified the most suitable technology stack among solutions for temporal and spatial data analysis

Community Advisor   Waterville, ME
Hall Staff, Colby College   August 2020 - June 2021

- Piloted a residential experience program successfully, doubling the number the applications over previous year by ensuring all students in the community had an opportunity to be heard and contribute
- Co-lead a dormitory of 84 students by organizing events, supporting residents, and mediating conflicts

Software Developer Freelancer   Izmir, Turkey
Self-employed   December 2016 - February 2019

- Programmed and successfully completed 8 projects for 4 different clients, all with 5-star reviews
- Prevented costly back-and-forth by gathering detailed information and communicating expectations

Software Development Engineer Intern   Izmir, Turkey
ByNoGame.com   July 2017 - August 2017

- Improved API latency 8-fold by refactoring table structure and query logic in a MySQL table
- Automated cross-verification of transactions, saving 8 hours of manual labor a month using Python

Projects

Esport Teammate Finder Website *PHP, MySQL, JavaScript, HTML/CSS*   duobul.net
- Wrote all front-end and back-end code, teaching myself full-stack web development with the LAMP stack
- Achieved 1st place ranking above competitors on Google for many relevant and popular search terms with targeted SEO, bringing in 1000s of new organic users every month for 4 years and counting

Game of the Amazons A.I. *Python*   github.com/enjoythecode/amazons_bots
- Implemented several decision tree algorithms, including a Monte-Carlo tree search and a min-max tree
- Researching and coding a bitmap-based speed optimization to rapidly simulate many games for MCTS