

Sinan Yumurtaci

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Education

Colby College
GPA: 4.02, Class Rank: 21, Presidential Scholar
Bachelor of Arts; Major in Computer Science with a Minor in Economics

Waterville, ME
September 2019 - May 2023

Technical Skills

Proficient: Python, Java, JavaScript, React, Jest, Flask, MATLAB, neovim
Familiar: Go, MobX, Typescript, Google Cloud Platform, JUnit, pytest, Docker, SQL, PHP

Experience

Google Mountain View, CA
Software Engineering Intern May 2022 - August 2022

- Took initiative to analyze runtime performance and fixed bottlenecks, improving data verification speed by 30%
- Designed and implemented automated daily tests of projects, catching 8 issues across 5 projects within 3 weeks
- Implemented a local cache option for validating external references, reducing lead time for new datasets by 2-3 days
- Improved the speed of ranking data sources from exponential $O(n^2)$ to linear $O(n)$ time complexity
- Extended existing functionality to support categorical variables and augmented data quality checks

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

- Saved 120 physicians-hours (equivalent to 10,000\$) yearly by designing and implementing a recommender ML system, using Python, Scikit-learn to apply transfer learning
- Analyzed the viability of 2 product initiatives and 3 design proposals with data-backed reports

Computer Science Department, Colby College Waterville, ME
Research Assistant August 2019 - January 2022

- Developed an extensive computer simulation of how humans perceive direction during movement from scratch in MATLAB, and lead design decisions extensibility of the code base
- Expanded the automation for running experiments, saving 50+ hours in unproductive & routine tasks
- Co-authored a paper published in the eNeuro journal (IF: 3.3)

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

- Successfully piloted a residential experience program, doubling the amount of applications within a year
- Co-lead a dormitory of 84 students by organizing events, supporting residents, and mediating conflicts

Projects

Esports 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

Real-time Multiplayer Strategy Board Game Website Strate.gg
Python, React, MobX github.com/enjoythecode/strate.gg

- Implemented real-time online gameplay of the abstract strategy board game Amazons using React and MobX for a composable front-end and Python Flask for back-end