

Sinan Yumurtaci

Waterville, ME · syumur23@colby.edu · (207) 313-6290 · linkedin.com/in/sinanyumurtaci/

Education

Colby College

GPA: 4.02, Presidential Scholar, ranked top 5% in my class
Bachelor of Arts; Major in Computer Science with a Minor in Economics

Waterville, ME
September 2019 - May 2023

Technical Skills

- **Proficient:** Python, Java, MATLAB
- **Familiar:** Go, React, MobX, JavaScript & Typescript, SQL, PHP

Experience

Software Engineering Intern

Google LLC

Mountain View, CA

May 2022 - August 2022

- Delivered vital improvements to a business-critical data validation tool responsible for all additions to the Data Commons knowledge graph of over 2 trillion triples
 - Independently identified and fixed bottlenecks using flame graphs, improving speed by 30%
 - Extended functionality to support categorical variables and augmented data quality checks
 - Implemented a local cache option for validating external references, cutting down lead time for new datasets by 2-3 days
- Automated daily testing of projects, identifying 8 issues across 5 projects within 3 weeks
- Improved the speed of ranking data sources from exponential $O(n^2)$ to linear $O(n)$ time complexity

Software Development Engineer Intern

98point6 Inc.

Seattle, WA

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 Research Assistant

Computer Science Department, Colby College

Waterville, ME

August 2019 - Present

- 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)

Economics Research Assistant

Economics Department, Colby College

Waterville, ME

January 2020 - August 2021

- Efficiently merged and processed data at the scale of 100s of GBs across three datasets with decades of satellite measurements using Google Earth Engine

Community Advisor

Hall Staff, Colby College

Waterville, ME

August 2020 - June 2021

- Piloted a residential experience program successfully, resulting in a two-fold increase in the number the applications YoY thanks to word of mouth of authentic leadership and engaging events.
- 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

- 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
- Currently developing a persistent account system and match history features using a MongoDB database