

# SINAN YUMURTACI

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## Education

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### Colby College

Bachelor of Arts Double Major: Computer Science, Economics *GPA: 4.0*

Relevant Courses: Data Structures & Algorithms, Data Analysis & Visualization

Waterville, ME

May 2023

## Technical Skills

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**Languages:** Python, MATLAB, SQL, HTML/CSS, PHP, C++, Java, JavaScript

**Software:** Git, Unity, STATA, SPSS

## Experience

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### ByNoGame.com

*Software Developer Intern*

Izmir, Turkey

July 2017 - August 2017

- Saved 20 hours of work every month by automating the verification of 1000s of transactions in Python
- Improved API response time 8x by refactoring table structure and query logic in a MySQL database

### Computer Science Department, Colby College

*Research Assistant*

Waterville, ME

August 2019 - Present

- Single-handedly programmed an efficient, modular neural model in MATLAB from scratch
- Tested hypotheses using the model; writing up a research paper to present results

### Economics Department, Colby College

*Research Assistant*

Waterville, ME

January 2020 - Present

- Processed and cleaned a large data set of satellite imagery data collected over 2 decades using Python
- Analyzing and generating insights from Tanzanian Household Panel Survey data with SQL and Python

### Self-employed

*Software Developer Freelancer*

Izmir, Turkey

December 2016 - January 2020

- Developed a full-stack web application for a car shop that lets users add, manage, and view car availability data with HTML, CSS, JavaScript, PHP, and MySQL
- Programmed and delivered 7 other projects to 4 different clients with an average rating of 5.0 (out of 5.0)

### Hall Staff, Colby College

*Community Advisor*

Waterville, ME

August 2020 - Present

- Leading a community of 84 students by organizing events, mediating conflicts, and listening to residents
- Advising residents on academic and personal struggles, coordinating with the College for emergencies

### Psychology Department, Colby College

*Research Assistant*

Waterville, ME

September 2020 - Present

- Programming a VR experiment in Unity to test biases in room-scale navigation

## Projects

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### Game of the Amazons A.I. & Website *Python, Flask, Vue.js* [github.com/enjoythecode/amazons\\_bots](https://github.com/enjoythecode/amazons_bots)

- Coding a collection of computer bots that play the Game of the Amazons
- Programming a website to play against my bots using Vue.js, Python, and Flask

### Esport Teammate Finder Website *PHP, MySQL, JavaScript, HTML/CSS*

[duobul.net](https://duobul.net)

- Optimized website for search engines, maintaining 1st place ranking for related search queries
- Handled all full-stack development and deployment tasks using PHP and MySQL

### Cell-fie Cheap Microscope Science Project *3D-printing*

- Prototyped a 3D-printed microscope with 40x optical magnification that cost less than \$1
- Accepted to present the project in 6 nation-level science fairs, awarded Top-3 in 4 of those

### Drumming BPM Calculator *Python*

[github.com/enjoythecode/bpm-counter](https://github.com/enjoythecode/bpm-counter)

- Wrote a Python script that calculates drumming beats-per-minute (BPM) from microphone input