

EFE OZTURKOĞLU

- ♦ **Summary:** Software Engineer focusing on writing clean, thoughtful, and well-documented code. Passionate about learning and creating. Seeking Summer and/or semester opportunities.
- ♦ **Rochester Institute of Technology**—3.4 GPA , 4th year student
- ♦ **Major:** Computer Science B.S. **Minors:** Mathematics, Music Technology

WORK EXPERIENCE

Constant Contact

Software Engineering Co-op

Sept–Dec 2018

- ♦ Wrote API routes in Ruby to automate tasks related to creating email templates to increase the efficiency of the template authoring team.
- ♦ Implemented content editing features with a team of 10 engineers for next-gen email editor in Javascript (ES6) and Backbone.
- ♦ Rewrote internal company map application for hackathon.

Reporter Magazine

Online Services Manager

Apr 2017–Now

- ♦ Developed an award-winning magazine website used by thousands of students a week, using Python, Flask, and SQL for the back-end.
- ♦ Developing a content management system in Flask with a coworker.
- ♦ Building application to edit articles and manage podcasts and videos.

George Mason University

Research Affiliate

Jun-Jul 2018

- ♦ Wrote an HTML tokenizer and parser in Javascript to analyze broken and incomplete code fragments for an experimental text editor.
- ♦ Worked with a colleague and a professor on a text prediction feature that provides code suggestions that the user can view and modify.

PROJECTS

LinAxis —efehq.com/portfolio/axis

2018

- ♦ Worked with a linear algebra professor on an Honors contract project
- ♦ Implemented numerous matrix operations and transformations in C#
- ♦ Built a 3D math operations library from scratch.

FE-84 —efehq.com/portfolio/calc

2018

- ♦ Built a TI-84 calculator simulator in Javascript.
- ♦ Implemented Floyd-Steinberg dithering to convert MP4 videos to calculator bitmap videos in real-time.
- ♦ Implemented my own UI framework modeled off of WPF and JavaFX.

Efe.js —efehq.com/portfolio/efejs

2017–2019

- ♦ Built an open-source Javascript library for HTML5 canvas projects.
- ♦ Handles mouse and keyboard input, state management, collision detection, resource loading, 3D wireframe rendering, and other tasks.

Raider —efehq.com/portfolio/raider

In Progress

- ♦ Implementing a Chess AI in Kotlin that uses heuristics to narrow down possible moves and tree search algorithms to choose the move that maximizes gains while minimizing losses.

CONTACT

- ♦ phone removed for web
- ♦ [exo3392 AT rit.edu](mailto:exo3392@rit.edu)
- ♦ github.com/Oztaco
- ♦ [linkedin.com/in/Oztaco](https://www.linkedin.com/in/Oztaco)
- ♦ efehq.com

SKILLS

- ♦ C#, C, Java, Python, Javascript, MIPS Assembly, SQL, Kotlin
- ♦ Valgrind, GDB, Git, Eclipse, Visual Studio, Vim, IntelliJ, Jira, Linux

AWARDS & HONORS

New York Press Association

Won “Best Website” with Reporter Magazine in 2018

National TSA Software Dev.

3rd place at 2015 national conference of the Technology Student Association. Built seating-chart generator algorithm for teachers

ACTIVITIES

Computer Science House

Community service project, hackathons, gave seminars on C programming and other topics

Reporter Magazine

Wrote articles, interviewed students and professors

BrickHack and WiCHack

Helped hackers with programming issues, and mentored for C# and Java

RIT Honors Program

Volunteering & honors courses

RELEVANT COURSEWORK

- ♦ Honors Algorithm Analysis
- ♦ Mechanics of Programming (C)
- ♦ Computer Organization
- ♦ Operating Systems
- ♦ Parallel Computing (Java)

View online at efehq.com/resume