Alex Rasla

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EDUCATION

University of California, Santa Barbara, Santa Barbara, CA   Expected Graduation 2022
Pursuing a 5-year B.S. and M.S in Computer Science
GPA: 3.78
Relevant Coursework: Organization and Design Logic, Advanced Data Structures and Algorithms, Advanced Applications
Programming
Awards: College of Engineering Honors Program, Dean's Honors List

PERSONAL PROJECTS

NavSB, UC Santa Barbara   *April 2019 — June 2019*
- Created an interactive map of the UCSB campus and the surrounding area that uses Augmented Reality to allow easier navigation throughout campus
- Learned and developed code in Swift using Xcode, mastered Apple's ARCL Kit and MapKit, and integrated the Mapbox library

Compiler, UC Santa Barbara   *April 2020 — June 2020*
- Used C++ to create a compiler for a new formal language
- Each program of the new language goes through a lexer, parser, and assembler, and includes GCSE optimizations and garbage collection memory management

Billiards Game, Irvine CA   *July 2020*
- Developed a fully functional billiards simulation using JavaScript and HTML
- Incorporated real momentum physics to make realistic gameplay

ScheduleToCalendar, Irvine CA   *March 2020*
- Developed a web driver in Python that allows any UCSB student to convert their course schedule to a Google calendar or Apple calendar entry

Personal Website, www.alexrasla.com   *August 2019 — Present*
- A website I developed using HTML and JavaScript that takes a deeper look into my personal projects, experiences, and personal life

WORK EXPERIENCE

Wimet, *Software Development Intern,* Buenos Aires, Argentina   *June 2019 — August 2019*
- Worked alongside the CEO and CTO/Lead Developer to enhance the startup's website
- Created the backend for their administrative site, allowing the company to easily access their events
- Learned to use MySQL, coded in HTML, JavaScript, PHP and utilized the Laravel framework

NAVCO Security, *Computer Technician Intern*, Anaheim, CA   *June 2018 — August 2018*
- Spearheaded a time-sensitive security system upgrade project for Wells Fargo
- Programmed hundreds of hard drives used for the project
- Repaired dysfunctional and/or damaged DVR software and hardware

LEADERSHIP

UCSB Department of Computer Science, *Peer Advisor*   *September 2019 — June 2020*
- Student advisor and departmental assistant for the UCSB computer science department
- Helped students plan schedules and change majors, assisted faculty with logistical issues, informed undergraduates about campus opportunities

SKILLS

Programming: Python, JavaScript, Swift, C++, Java, HTML, MIPS Assembly, CSS
Interests: Cloud Computing, Game Development, Mobile Application Development, Backend Development
Technologies: iOS SDK, OpenCV, MySQL, Laravel, PHP, Mapbox
Languages: Fluency in English, Slovak, and Conversational Spanish