Ila Petrovic
Palo Alto, CA, 6504414095, ilacpetrovic@gmail.com

SUMMARY

Sophomore studying Mathematics & Computer Science with internship experience in doing research for students at computer science boot camps and leadership and volunteer roles in high school and college. Some highlights include:

- Researched Data Structures and Algorithms and created 15 educational documents between my time at Tech Career Advancement and Interview Camp which have since been used by over 350 individuals learning computer science.
- Leadership experience through positions held in WCS and Lego Masters at UIUC and volunteering at local nonprofits.

EDUCATION

University of Illinois Urbana-Champaign, Urbana, IL

B.S. Mathematics | Minor in Computer Science | GPA: 3.89/4.0 | Related Courses: Intro to Computer Science I Honors, Calculus III Honors, Discrete Structures Honors, Linear Algebra with Computational Applications, Fundamental Mathematics

Henry M Gunn High School, Palo Alto, CA

GPA: 4.45/4.0 | Advanced Placement: Calculus BC, Computer Science A, Statistics, Physics C Mechanics, Electricity & Magnetism, Computer Science Principles, Physics 1, English Literature and Composition, Spanish Language, Macroeconomics, Microeconomics

SKILLS & INTERESTS

Skills & Programs: Python, Java, C++, Android Studio, VS code, React Native, Xcode, Figma, Canva, Adobe Photoshop
Interests: Investment, Running, Writing, Skiing, Hiking, Sewing, Dancing, Design, Spanish, Swimming, Tennis, Baking, Cooking

EXPERIENCE

Interview Camp | Online Bootcamp for Technical Interviews — Palo Alto, CA
Intern — *June 2024 - Present*

- Transcribed detailed notes from computer science lecture videos, meticulously ensuring that all key points, concepts, and explanations were accurately documented, thereby creating a valuable resource for students at Sitare University.
- Conducted in-depth research on relevant computer science topics to enhance understanding and retention.

Tech Career Advancement | Tech Career Coaching — Palo Alto, CA
Video Editor — *May 2024 - Present*

- Reviewed, annotated, and edited lecture videos on essential computer science topics such as Breadth/Depth First Search, Algorithms, Databases, Data Structures, Machine Learning, and System design, ensuring technical accuracy and accessibility.
- Researched computer science topics from each lecture video to enhance content editing for improved viewer comprehension.

Women in Computer Science | Registered Student Organization — Champaign, IL
Byte in Bits and Bytes Program — *June 2024- Present*

- Mentored an incoming freshman interested in CS, offering guidance and advice while assisting in organizing program events.

VOLUNTEER & LEADERSHIP

EnGin | Nonprofit — Palo Alto, CA
Volunteer — *May 2021- Present*

- Spearheaded activities that fostered meaningful engagement and interaction between native English speakers and Ukrainian students, successfully achieving sustained participation levels and garnering overwhelmingly positive feedback from participants.
- Executed lesson plans for each one-on-one meeting to enhance communication skills and cultural awareness.

Lego Masters | Registered Student Organization — Champaign, IL
Membership Director — *August 2024 - Present*

- Managed social media accounts and planned outreach activities and events to boost club visibility and member engagement.

Magical Strings West Orchestra | Nonprofit — Palo Alto, CA
Mentor — *January 2022 - June 2022*

- Mentored 2 young violin students weekly, guiding 45-minute practice sessions to enhance technical skills and musical proficiency.

PROJECTS

App development: Collaborated with a team of 5 students to code an app that utilized machine-learning algorithms to track, categorize, and record a user's physical activity throughout the day; led the front-end design using React Native, Python, and Java.
Github link: https://github.com/CS196Illinois/Group10-FA23/tree/master