Jacob Langlois

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EDUCATION

Northeastern University Khoury College of Computer Science   **Boston, MA**
Candidate for Bachelor of Science in Computer Science and Mathematics   GPA: 3.90/4.00
Scholarships & Awards: Northeastern University Honors Program   *Sep 2023 - May 2026*
Relevant Coursework: Fundamentals of Computer Science (I & II), Discrete Structures, Calculus 3 (Honors),
Mathematics of Data Models, Differential Equations and Linear Algebra (Honors), Intro to Mathematical Reasoning
Clubs: Alpha Kappa Psi, Oasis, NEU Rock Climbing

PROFESSIONAL EXPERIENCE

AfterFlea OS Conversational AI   **Boston, MA (Remote)**
Software Engineer Intern   *Jan 2024 – Present*
- Developed and implemented assigned tasks utilizing the MERN stack, showing proficiency in full-stack development
- Specialized in integrating OpenAI's API into the project, utilizing Python programming skills to enhance functionality
- Led project involving prompt engineering and the creation of a story, showcasing problem-solving skills and creativity

Oasis at Northeastern   **Boston, MA**
Software Engineer   *Sep 2023 – Dec 2024*
- Designed and developed a semester-long full stack project in a small group of four Northeastern students
- Attended weekly hack sessions to develop new programming skills and information regarding the SWE industry
- Collaborated with team members to implement agile development methodologies, ensuring timely project milestones

Oak Ridge National Laboratory   **Oak Ridge, TN**
Intern   *Jul 2022 – Aug 2022*
- Coordinated a group robotics research project alongside expert researchers at Oak Ridge National Laboratory (ORNL)
- Programmed using BASIC and Arduino to optimize the path-finding capabilities of previously constructed robots
- Designed and presented a visually compelling and informative poster of findings to a distinguished panel of Appalachian region state representatives showing the benefits of our autonomous robot navigation

LEADERSHIP EXPERIENCE

Alpha Kappa Psi Professional Business Fraternity   **Boston, MA**
Service Chair   *Dec 2023 – Present*
- Spearheaded major service events, coordinating logistics and volunteers to successfully engage over 150 participants leaving not only a significant contribution to the community but also enhanced the fraternity's recruitment efforts
- Collaborated with other fraternity officers to integrate service initiatives into the chapters overall goals and objectives
- Fostered a culture of philanthropy and social responsibility in the chapter, contributing to strong community presence

Jamaican Advantage thru Sports for Youth (JASY)   **Kingston, Jamaica**
Pool Activities Leader   *Jul 2023 – Aug 2023*
- Instructed and supervised 50+ children, ages 5 to 15, in essential water safety practices and comprehensive swimming techniques through personalized one-on-one sessions, group activities, and engaging dryland exercises
- Cultivated meaningful connections with local youth while fostering values of teamwork, compassion, and unity
- Oversaw impactful initiatives including team-building workshops, community service projects, and open dialogues

PROJECTS

Peace of Mind | *Technologies: React.js, Next.js, Typescript, Python, Flask, Firebase, Tailwind CSS*
- Developed a mental health AI chatbot tailored to college students in a group of four using OpenAI's public API
- Implemented server-side functionalities in backend using Python and Flask, enhancing the chatbot's capabilities
- Utilized Firebase to facilitate communication between the applications backend and React.js frontend

jakelanglois.com | *Technologies: React.js, Vite, JavaScript, Tailwind CSS, HTML*
- Deployed and maintained a personal website using Vite, a build tool that seamlessly blends React.js, JavaScript, Tailwind CSS, and HTML to create an engaging and polished platform that showcases my portfolio and interests
- Innovatively incorporated interactive elements, delivering a visually compelling experience that captivates visitors

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Java, Python, TypeScript, HTML5, CSS, JavaScript, BASIC
Developer Tools: React.js, Next.js, Node.js, Tailwind, Git/Github, VSCode, Figma, Firebase
Interests: Bouldering, Ping Pong, Music, Chess, Mathematics, Philosophy, Hiking, National Parks, Camping, Swimming