Douglas Pham

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SUMMARY

Recent Computer Science graduate with experience as a software engineer, specializing in Python and SQL. Successfully developed a web application using ASP.NET and C# to enhance team communication and implemented a Revit add-in feature to improve design accuracy. Proficient in Java, JavaScript, C, and HTML/CSS. Eager to leverage technical skills and innovative thinking to contribute to a dynamic engineering team.

WORK EXPERIENCE

Technical Support Intern, **Movano Health** | Pleasanton, CA   March 2024 - June 2024
- Identified and resolved software/hardware bugs improving product robustness with user satisfaction of over 90%
- Facilitated communication between users and the engineering team by gathering and relaying user feedback, leading to improved product development and user experience

Software Engineer Intern, **BIM Designs** | Phoenix, AZ   June 2023 - August 2023
- Developed a web application using ASP.NET and C# that enables messages to be sent to Revit, streamlining communication between design teams by 100 % and enhancing project collaboration
- Proposed and implemented a Revit add-in feature using Revit APIs that detects all geometries clashing with a selected object, enhancing design accuracy and reducing error rates by 25%
- Conducted thorough research on potential projects for the innovation team, delivering key insights that enhanced client presentations and highlighted our forward-thinking capabilities, resulting in increased client engagement.

Game/Product Design Intern, **SayKid** | Minneapolis, MN   November 2022 - December 2022
- Implemented a game for younger users, using NLU software and resulting in increased engagement by over 50%
- Tested the game to ensure proper functionality, covering edge cases and understanding natural language utterances, which improved user experience and minimized errors by 100%

PROJECTS

Ultimetrics, **Carleton College** | Northfield, MN   September 2023 - March 2024
- Tracked ultimate frisbee players on a field via drone footage and translated players to a 2D field using Python libraries
- Utilized computer vision tools to detect and track objects via 300+ training images

MessageSend, **BIM Designs** | Phoenix, AZ   June 2023 - August 2023
- Designed backend using ASP.NET Core, incorporating API endpoints to handle messages efficiently
- Integrated in-memory database using Entity Framework Core to facilitate data retrieval

NBA Web App, **Carleton College** | Northfield, MN   October 2022 - November 2022
- Built web app to view and filter through nba player and team statistics using HTML/CSS and Javascript for frontend, Python and PostgreSQL for backend, and Flask for framework

EXTRACURRICULAR AND LEADERSHIP ACTIVITIES

Team Captain/Leadership Council, **Carleton Football Team** | Northfield, MN   September 2020 - November 2024
- Started Outside Linebacker: 180 total tackles (105 solos, 75 assists), 15 tackles for loss, 1 interception
- Practiced daily, studied film, weight trained, communicated and cooperated as a team
- Led discussions on critical issues to educate underclassmen fostering a positive and supportive environment

Mentor, **Project Friendship** | Northfield, MN   September 2020 - November 2024
- Over 100 hours volunteered of weekly visits with paired Northfield mentee and required training sessions

Co-host, **KRLX Radio Show** | Northfield, MN   September 2021 - November 2024
- Over 70 weekly radio shows, played variety of music, talked about on going Carleton events and sports

SKILLS

Programming/Frameworks: Python, SQL, Java, JavaScript, C#, C, HTML/CSS, ASP.NET, Flask, Next.js, R
Tools: Visual Studio, Microsoft SQL Server, Git, Linux, Bash, Revit APIs

EDUCATION

Carleton College | Northfield, MN   September 2020 - November 2024
- Bachelor Arts of Science in Computer Science, minor in Mathematics; **GPA**: 3.5
  Relevant Coursework: Data Structures, Algorithms, Software Design, Linear Algebra, Computer Systems, Probability, Making Decisions with AI, Computer Security, Natural Language Processing