KELVIN KHANG DINH NGUYEN

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EDUCATION

Stanford University   *Sept 2023 – June 2027*
- GPA: 3.98, 1st year undeclared undergraduate student, computer science intended
- *Past Courses:* Languages To Information (NLP)
  - Created sentiment analysis program, developed simple neural network, extensively utilized NumPy
- *Current Courses:* Natural Language Processing with Deep Learning
  - Utilized Pytorch to implement word2vec and dependency parser

SUMMARY OF TECHNICAL SKILLS

- Python (Advanced), C# (advanced, experience in .NET Framework + Core), C++ (Intermediate), Java (Intermediate), Javascript (Intermediate), SQL (Beginner)
- Azure App Services, App Configuration, Key Vault, Azure SQL, WPF, GitHub, Arduinos, Entity Framework, ASP.NET WebAPI
- Experience working in agile cycles, sprints, daily scrums

PROGRAMMING EXPERIENCE

Black LaIR Tutor   *Apr 2024 – Present*
- Assisted debugging, reviewed code for style and efficiency, explained fundamental programming concepts to Stanford students in introductory computer science courses (106A, B)
- Worked with students in both C++ and Python as part of Stanford Black in Computer Science

Stanford Flight Club – Design/Build/Fly Competition   *Sept 2023 – Jan 2024*
- Learned and utilized in-house Python physics simulation library to optimize aerodynamics of competition planes
- Reduced need for physical prototype creation and testing, expediting iterative design process
- Collaborated with other engineering teams to tailor simulation models according to various design criteria

Synoptek Internship   *June 2022 – July 2022*
- Created a brochure website, utilizing enterprise tools such as Azure (App Services, App Configuration, Key Vault, Azure SQL), Blazor C#, GitHub, Entity Framework, and ASP.NET WebAPI.
- Delivered an architecture plan for brochure website, including sections on addressing database design, scaling-out flexibly of computing resources, and security issues
- Shadowed App Architect, gained hands-on experience in working in Agile cycles with daily scrums

SourceAmerica Academy Design Challenge   *April 2021*
- Created a prototype device to assist employees with disabilities for their timecard clocking routines
- Developed a fully-functional prototype employee timecard database application using RFID technologies, Arduinos with C++, C# WPF for UX, Entity Framework, and SQL database

LEADERSHIP

Boy Scouts of America   *2015 – 2023*
- Awarded Eagle Scout Rank
- Managed a complete project with over 20 members to provide handmade blankets to senior center. Handled project planning, finances, material procurement, recruitment, execution, and final documentation report.

Team Opportunity Club Co-founder (Pacifica High)   *2020 – 2023*
- Founded a new club specializing in expanding STEM opportunities to students of diversified backgrounds, including those with disabilities

CERTIFICATIONS + OTHER SKILLS

Southwest Airlines Professional Communications Certified   *July 2022*
- Learned essential soft skills to thrive in professional environments

Adobe Photoshop Certified Professional   *June 2023*

Microsoft Office (Word, Excel, and PowerPoint); Google Docs/Sheets/Slides

Photo Editing Programs: Photoshop, Illustrator