KABILAN BALASUBRAMANI

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EDUCATION

University of Pittsburgh   **August 2020 – May 2024**
Honors, Bachelor of Science in Computer Science (3.9/4.0)   *Pittsburgh, PA*

EXPERIENCE

Omnicell   **May 2021 – Present**
Software Engineering Intern   *Cranberry, PA*
- Reduced time needed to prepare data reports by 20% by building a data analytics dashboard with ASP.NET 5 and Vue.js
- Decreased overall query execution time by 50% using Dapper Micro ORM to connect SQL Server stored procedures
- Cut down on amount of manual data requests by implementing pharmacy-specific dashboards, saving customers an average of 12 hours per request

James Street Sensory   **December 2020 – April 2021**
Front End Developer   *Pittsburgh, PA*
- Re-branded organization's website by focusing on client-specific needs resulting in a 40% increase in unique visitors
- Created interactive parallax animations and increased social media presence by 190% with embedded social pages
- Resolved website inaccuracies with modern and accessible designs built in Figma based on Google's Material Design language

University of Pittsburgh Cancer Institute   **June 2019 – August 2019**
Computational Biology Researcher   *Pittsburgh, PA*
- Developed a lightweight, portable electrocardiogram device to process real-time ECG patient data using machine learning to classify cardiovascular abnormalities with 93% confidence
- Reduced data processing speed by 15% with Python Pandas and SciKit-learn libraries for SVM and feature classification
- Earned award for best research project among 15 candidates by demonstrating the device's potential life-saving impact

PROJECTS

LinkedIn Skills Tracking Dashboard | *Python Dash, Pandas, Plotly*   **Decemeber 2021**
- Developed an interactive data analytics dashboard to analyze LinkedIn's Skills needs per industry using Python Dash
- Established a comparable metric for over 70 industry skills using World Bank Data and Pandas Library
- Created hover-able bar graphs and bubble plots using Dash to easily visualize the top skills needed per industry profession

TECHNICAL SKILLS

Languages: Python, Java, C, C++, HTML, CSS, JavaScript, SQL
Technologies/Frameworks: Git, .NET 5, React.js, Vue.js, Vuetify, Pandas, Dash, Wix
Relevant Coursework: Data Structures, Systems Organization, Discrete Structures, Intro to Systems Software

LEADERSHIP / EXTRACURRICULARS

Google Computer Science Summer Institute x Coursera   **June 2020 – September 2020**
Student   *Pittsburgh, PA*
- Selected as a participant in an 8 week, intensive and collaborative software and career development program led by Google Engineers for high-achieving diverse talent based on academic success and career ambition

CompuDANCE   **January 2018 – March 2018**
Co-Founder   *Wexford, PA*
- Broke the gender stigma of women in STEM fields and men in dance by bringing together Indian Folk Dance and C++ workshops
- Raised awareness for the shared creativity between both fields by creating meaningful representation for all
- Served as a technical mentor teaching a curated C++ curriculum covering variables, conditionals, loops, and real-world applications to over 40 students (K-12) per session with peer programming and supplemental project ideas