Samuel Lee

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🎓 Education

August 2018 May 2022	**Vanderbilt University	Bachelor's in Computer Science, Math, Music**
	› *GPA* : 3.8
	Data Structures Algorithms Software Engineering Web Systems Operating Systems

💼 Professional Experience

May 2021 August 2021	**Intuit	Software Engineering Intern, (Remote) Mountain View, CA**
	› Implemented backend logic in QuickBooks Online to decouple users' tax agency settings from their overall account settings, expanded UI functionality to give users more granular control over their tax return accounting bases
	› Worked closely with product manager and engineers, presented work to Small and Medium-sized Business Core mission team
	Java Spring Boot GraphQL React

July 2020 Present	**LMI Technologies	AI R&D Engineer, (Remote) Boston, MA**
	› Implemented *state-of-the-art convolutional autoencoder architectures* and inference methodologies from recent *ML research* with Keras and TensorFlow
	› *Developed* autoencoder API to streamline modelling flow for defect detection
	› Presented R&D and feasibility reports to customers, *generating engagement*
	› *Optimizing* and deploying inspection pipelines to edge devices
	› Implemented performance improvements up to *2x speed* in existing pipelines
	Python TensorFlow 2 TF Object Detection API OpenCV Jupyter Docker Google Cloud Platform

June 2020 August 2020	**Vanderbilt University Data Science Institute	Summer Research Fellow, Nashville, TN**
	› Designed and implemented code for experiments exploring individual differences in human visual object recognition with deep learning and correlation analysis
	› Implemented convolutional neural network architecture to model human vision
	› *Presented work to interdisciplinary audience* on a weekly basis
	Singularity Cluster Computing Python Keras TensorFlow 2 Jupyter

⚓ Campus Involvement

July 2020 Present	**VandyHacks	Director of Development, Nashville, TN**
	› Built the ⧉ promotional website for Vanderbilt's annual hackathon, attracting over *1200 applicants* worldwide
	› *Managing* and recruiting a 9-member development team
	› *Taught workshops* on topics such as deep learning, mobile development and Git
	ReactJS Typescript JavaScript HTML CSS GatsbyJS Keras Git GraphQL MongoDB

💻 Projects

Vaken
⧉ github.com/VandyHacks/vaken
Vandyhacks's in-house hacker registration system. Contributions include refactoring project configuration files and implementing a feature for sponsors to retrieve all hackers' resumes.

React   Node   GraphQL   Typescript

📚 Technical Skills

Languages	Python, C++, JavaScript, Typescript, HTML, CSS, Java
Frameworks	TensorFlow, Keras, ReactJS (hooks), Express, Apollo
Technologies	Linux, Git, Firebase, GraphQL, MongoDB, PostgreSQL, Google Cloud