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Suraj Mirpuri

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Employment

Senior Fullstack Engineer	**Alphaeon Credit**	**June 2023**

- Built admin tooling to save 80% of our customer success team's time for common support issues

Senior Fullstack Engineer	**Ghost Group Management LLC**	**Feburary 2022 – May 2023**

- Increased email rate limits by 50% after scaling analysis, allowing marketing to surpass all KPI targets
- Decreased cache p99 latency from 20ms to 5ms as a result of leading a full architectural review of caching

Tech Lead / Staff Engineer	**KMD Partners LLC**	**February 2020 – February 2022**

- Promoted to tech lead after just one year, for exemplary leadership and performance
- Managed 5 full time engineers and 5 interns to deliver about $500k cost savings per year in underwriting

Teacher	**Mater Academy Inc.**	**April 2016 – Feburary 2020**

- Taught 150 secondary students per year; some Java (including Android), Python, Javascript, and C++
- Coached school robotics team which made it to state level competition after just 1 year

Researcher / Machinist	**Caltech - Various Groups**	**2011 – 2015**

- Wrote open source computational chemistry software with friendly UI; faster than commercial competitors
- Machined battery parts using laser cutters, lathes, and mills to create novel high density lithium batteries

Education

Atlanta, GA	**Georgia Tech**	**Winter 2019 – Spring 2021**

- M.S. in Computer Science with speciality in AI and ML. (GPA - 3.8)

Pasadena, CA	**Caltech**	**Fall 2011 – Spring 2015**

- B.S. in Chemistry with specialty in Computational Chemistry

Personal Projects

- **Yesflix** (2022). Computer vision application to click "Yes I'm still watching" when prompted
- **Decrypto** (2021). Automated cryptocurrency trading bot with reinforcement learning to make decisions
- **Home Automator** (2020). Android app with custom made kiosk to allow guests control of home automation

Honors and Awards

- **5 Star Employee Review - KMD Partners LLC** (Sole employee rated as such)
- **Mater Lakes Rookie of the Year Teaching Award**
- **Caltech ASCIT Teaching Award 2013 - 2014**

Languages, Skills, Technologies

- Ruby and Rails; Python; Java; Javascript; React; C/C++; Fortran
- Agile principles; Team management; Emotional intelligence; Software quality analysis; Code interpretation
- AWS; Linux skills; Docker; Kubernetes; Django and Flask; Android Studio; Pandas, Numpy, PyTorch