

Gowtham Kuntumalla

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EDUCATION

- **University of Illinois at Urbana-Champaign (UIUC)** **Online**
Master of Computer Science. GPA: 3.9/4 2023
- **University of Illinois at Urbana-Champaign (UIUC)** **Urbana, US**
Master of Science. Mechanical Engineering. GPA: 3.9/4 2020
- **Indian Institute of Technology (IIT) - Bombay** **Mumbai, India**
Bachelor of Technology. Mechanical Engineering, Computer Science. GPA: 9.3/10 (Top 5%) 2018

PROFESSIONAL EXPERIENCE

- **Forest Creek Capital LLC** **Dallas, US**
Quantitative Research Analyst, Investment Management & Data Science June 2020 – Current
 - Applied advanced quantitative analysis, incorporating statistical techniques and machine learning, to drive informed investment decisions within the commodity financial markets
 - Managed trading desk with full P&L responsibility, promoted to lead and mentor two junior team members.
 - Designed and implemented both automated and manual trading strategies, enhancing market trend identification, portfolio management, and risk assessment methodologies
 - Leveraged expertise in Python, SQL, PHP, and Google Cloud Computing for seamless data manipulation, robust modeling, and insightful reporting, consistently surpassing benchmark returns while prudently managing risk
 - Generated over > \$16 million in profits and ranked among the top traded products in the company based on return on risk and return on collateral

INTERNSHIPS AND ACADEMIC WORK EXPERIENCE

- **Uber Technologies Inc.** **San Francisco, US**
Mfg. Engineering Intern, New Mobility Division – Software, Data Analytics & Business Modelling May – Aug 2019
 - Programmed software (C++, Embedded Linux) for IoT on JUMP e-vehicles to interface Bluetooth with sensors
 - Analysed large datasets to establish GPS accuracy specifications for a next-generation IoT device
 - Proposed and executed a new operations model, driven by genuine interest, aimed at significantly improving unit economics with potential savings of \$60 million
- **Washington University in St.Louis** **St.Louis, US**
Summer Research Intern, Department of Energy and Chemical Engineering – Scientific Computing May – Jul 2017
 - Conducted literature review on fractals and gelation, implementing simulations using C++
 - Devised an efficient protocol to process Terabytes of data on a high-performance computing (HPC) cluster
 - Recognized with a fully funded return offer for the Ph.D. program due to outstanding progress
- **UIUC** **Urbana, US**
Research Assistant and Teaching Assistant, rated excellent TA in Spring 2019 Aug 2018 – May 2020
 - Conducted tutorials, graded exams, and provided mentorship in Senior Design Project, Heat Transfer Lab, and Engineering Mechanics courses
 - Engaged in graduate-level research within the field of Energy Science and Engineering

ACADEMIC PROJECTS

- **Metal Polymer Hybrid Heat Exchanger System** **Aug 2018 – Dec 2019**
Adviser: Prof. Sanjiv Sinha, UIUC
 - Led design, manufacturing, and testing plan from concept to execution
 - Co-authored articles published in reputable journals including ASME and IJHMT; US Patent; Google Scholar Profile

SKILLS AND INTERESTS

- Python, SQL, Google Cloud, Linux Shell, C++, PHP, MATLAB, HTML, L^AT_EX, Git, Data Analytics, Badminton, Reading