Velizar Zlatev

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EDUCATION

University of Bristol   **Bristol, United Kingdom**
*MEng Mechanical Engineering – **1st Class Expected***   *Sep 2021 – Jun 2025*
- Relevant courses: Data-Driven Physical Modelling, Non-Destructive Evaluation, Nonlinear and Multivariate Control System

University of Illinois at Urbana Champaign – Exchange Program   **Champaign, United States**
*Major in Mechanical Engineering and Minor in Computer Science **- 4.0 GPA***   *Aug 2023 – May 2024*
- Relevant courses: Data Science in Manufacturing, CS 124(Java), CS 128(C++), Industrial Control System

WORK AND PROJECT EXPERIENCE

Hypower Bristol, European Rocketry Challenge   **Bristol, United Kingdom**
Electrical and Ground station Team   *Nov 2024 – Present*
- Redesigning the observability stack for the control systems in ground station using Docker, Grafana, Prometheus, and FastAPI
- Researching into new RF antenna design and updating the Python-based GUI for monitoring and controlling the rocket in-flight

Google Developer Group on Campus, University of Bristol   **Bristol, United Kingdom**
Head of Partnerships and Engagement   *Sep 2024 – Present*
- Developed the year-long calendar with lectures and workshops of 15 events delivered by industry professionals and PhDs
- Organized the Bristol cohort for the GDG Academy mentorship scheme and facilitated weekly Leetcode coding sessions

Launchub Ventures   **Sofia, Bulgaria**
Investment and Automation Analyst   *May 2024 – Present*
- Analyzed and managed CEE regional deep tech deal flow, including diaspora opportunities in Western Europe and the USA
- Responsible for an internal technology project to incorporate data-driven solution for sourcing founders
- Automated internal processes for generating deal flow using Python, AWS Lambda, and Zapier-like tools

Illini Solar Car Team   **Champaign, United States**
Electrical Team Member   *Aug 2023 – Dec 2023*
- Worked in a team of four to facilitate porting the old firmware from the first solar car to the new one for the 2024 competition
- Refactored the old C++ codebase to fit the new hardware and function properly during racing conditions

Autodesk   **London, United Kingdom**
Product Management Engineer Intern, PDMS - Drawings   *Jun 2023 – Aug 2023*
- Contributed to developing the FY25 features roadmap for enhancing 2D drawing in Fusion 360 by conducting comprehensive feature request analysis
- Established a database by extracting data from Autodesk's Forum to gain insight into customer needs and preferences.
- Conducted customer interviews to gather and comprehend their specific requirements
- Presented my findings to the Engineering Team for Drawing, receiving commendable feedback on the work done
- Programmed an Add-In to automate a request from LVMH using Python and Fusion's API and reduced design time by 8%

Creator Fund   **London, United Kingdom**
Investment Analyst   *Sep 2022 – May 2024*
- Sourced and led the initial talks with a Swiss early-stage company resulting in the deployment of $50k investor capital.
- Collaborated with 2 PhD students and produced a 20-page technical investment memo in the span of 1 weekend
- Arranged and conducted a 2-hour presentation with a Q&A session to a 15-person doctoral group on VC investments in the UK, IP protection, and the process of spinning out a deep tech start-up out of university

SKILLS, ACTIVITIES, and INTERESTS

Technologies: Python, Go, Java, C++, SQL, Git, Fusion 360 CAD, Ansys CFD, Abaqus FEM
CS50 Python: Built a CLI application that emulates a DBMS system including joining and editing tables.
Golang Project: Created a Go REST-API backend project as part of an instructor-led remote course from a software company in Bulgaria. The project served as an API for bill-splitting applications and it stored user data and events in a MySQL DB