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