Yash **Gupta**

Software Engineer

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Programming

C, C++, Haskell, Java,
Javascript, PHP, Python,
SQL, Ruby

Software

NumPy, Pandas, Dask,
Semaphore, CircleCI,
Docker, k8s, EC2, S3

Web

LAMP, WINS, MEAN, Rails,
Django, Node.js, Deno.js,
Koa.js, Angular, React

Mobile

Android Studio, AOSP,
HTML5 native apps

Hardware

Workstation Hardware
Server Hardware
Networking Appliances
Robotics Prototyping
Robotics Production
Programming
IoT Prototyping
Ad-Hoc Digital Electronics

Experience

2023 · Gierd — Data Engineer
Data Engineer

Work with the COO and CTO to build out a data platform for ECommerce orchestration including listings, orders, shipping, and financial reconciliation. I also maintain cloud functions and infrastructure for data ingress and egress to a number of marketplaces and third party integrations *Golang, Python, AWS, Terraform, Bigquery*

2022 · ChipperCash — SDE II Remote
Software Development Engineer 2

Built out the Compliance Service for Ghana, South Africa, Nigeria, and Rwanda. Created a new KYC document verification pipeline. Maintained microservices for analytic, fraud prevention, and transaction rate limiting on the ChipperCash platform. Built Pout a big data pipeline using facial recognition tooling to prevent identity fraud. *Typescript, Python, Node.js, Koa.js, React*

2020 · Cisco — Site Reliability Engineer
Site Reliability Engineer

Worked on multiple scrum teams in an agile development framework. Built internal tooling for network engineers and automatic auditing of the network. Deployed new fleeted devices, pods, fabrics, and networks in the Data Center space. Set up routing/switching load-balancing and virtual networks using software defined networking. Part of an on-call rotation; responding to outage and general networking issues. *Networking, Python, Security, Java, Node.js, Angular, MongoDB*

2019 · Bugcrowd — Summer Internship
Junior Software Developer

Built a prototype automated security vulnerability verification and triage application for use by security engineers at Bugcrowd. Used AWS Lambda and python scripting to create an easily extensible platform for security engineers to automate more vulnerability testing. *Networking, Python, Security, AWS*

2018 · Grinnell College Computer Science Department — Summer Researcher
Programming Language Implementation Researcher

Collaborated with Grinnell College and Haverford College professors and researchers to create a Block-Based programming tool to teach and automate mathematical proofs. The web-tool is currently being used in Haverford's intro computer science course to expose students to introductory proof building. My specific responsibility was to build the front-end user interface and the lexer/parser/compiler for the proof language, as well as help troubleshoot issues in the proof-solving core. *Haskell, HTML5 App*

2017 **Advanced Technologies Group**   Summer Internship
Android Development Intern

Helped design and implement security focused changes to the Framework and Application layers in Android 7.0 and 8.0 so that the device can be deployed in correctional institutions. Modified the Android Open Source Project to change the functions of networking, Bluetooth, and sensor functions. *Android, Networking, Security*

2016 **Pioneer Hi-Bred International**   Project Consultant
Robotics Engineering and Linux Consultant

Programmed an AGVs (Automated Guided Vehicles) system to follow precise routes in a greenhouse so that it could safely work along-side humans to transport living plants and equipment

Education

2016 **Bachelor** in Computer Science   Grinnell College
Accelerated Graduation Date: December 20, 2019
Major GPA: 3.7

Projects

2018 **Wilson Center Committee Member**   Wilson Center for Innovation and Leadership

Served as student representative on the Wilson Center governance committee whose charter is to fund opportunities and events that promote student innovation. Led the further development and organization of programming including a start-up competition and a hackathon. Currently working on a startup incubator for students and college staff which provides funding and mentorship to aspiring entrepreneurs. *Read More →*

2017 **Founder of Disruption Creator**   Pioneer Weekend 4.0: 1st place

Founded: Disruption Creator: an ongoing development project to create a web application that streamlines the development of web based and native applications by using the power of html5 and web based drag and drop editors. The project won first place at the Pioneer Weekend start-up pitch competition.*Read More →*

2016 **Organization Chair and Co-Founder**   Grinnell College Virtual Reality

Oversaw the operations of Grinnell College's Virtual Reality Space: a learning and research space maintained for use by faculty and student researchers. The operations team built the equipment and supported software and technology. Collaborated with the Mathematics, Computer Science, and Physics Departments to build VR experiences and conduct research.