

# Aleksandrs Larionovs

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based in London, E6

## EDUCATION

### Goldsmiths, University of London

Bs in Computer Science

2022-present (Expected completion: 2025)

## SKILLS

### PROGRAMMING

**5000+ lines:** Java • JavaScript • CSS • Typescript • Python

**1000+ lines:** SQL • C++

### FULL STACK

**Backend:** REST • Flask • NodeJS **Frontend:** Vue • Android • React **Database:** Postgresql • MongoDB • ORM • Firebase

### OTHER

**Technical:** Bash • Git • Docker • UI/UX • CI/CD • GCP • AWS • Terraform • Hetzner • Webpack

**Soft:** Detail-oriented • Ownership • Inter-dept Communication • Languages

## OPEN SOURCE

### FIRESTORE-SIZE

An open-source JavaScript library designed to estimate the size, in bytes, of Firestore documents. With over 4k weekly downloads, this library facilitates the calculation of document sizes within the Firestore database.

## ABOUT

An ambitious second-year Computer Science student with a passion for problem-solving and innovation. Actively seeking internship opportunities in 2024 to further expand practical knowledge in software development, coding, and emerging technologies. Eager to apply classroom learning to real-world scenarios and contribute effectively to a dynamic team. Proficient in various programming languages and dedicated to continuous learning. Adept at balancing academic rigor with a proactive approach to personal coding projects and challenges. Committed to leveraging skills and enthusiasm to make meaningful contributions within a professional setting.

## PROJECTS

### Independent IoT Project: Raspberry Pi Integrated with Discord for Automated AI Image Generation

Created an IoT project involving a Raspberry Pi that automated image generation for a Discord server, displaying generated art on a screen linked to the Raspberry Pi.

Tech Stack:

- Automation: Puppeteer for web scraping and automated image generation
- Backend Framework: Utilized Express for server-side functionalities
- Containerization: Employed Docker for containerization of the application
- Infrastructure as Code: Configured infrastructure using Terraform
- Cloud Services: Deployed on Google Cloud Run, integrated with Google API Gateway
- Hardware Integration: Integrated and synchronized Raspberry Pi with the system

Key Contributions:

- Developed an automated system using Puppeteer to generate images directly to a Discord server.
- Orchestrated server-side functionalities with Express for seamless operation.
- Containerized the application with Docker for efficient

Code: [Github](#)

NPM Software Registry: [Package](#)

## GATSBY-PLUGIN-GOOGLE-FONTS-WITH-ATTRIBUTES

An open-source Gatsby plugin specifically engineered to efficiently load Google fonts. This plugin simplifies the process of integrating and utilizing Google fonts within Gatsby-based web projects.

Code: [Github](#)

NPM Software Registry: [Package](#)

## HOBBIES

**Programming:** Actively involved in personal coding projects and exploring various programming languages.

**Chess:** Engaging in strategic gameplay, honing problem-solving and critical thinking skills.

**Fitness:** Dedicated to maintaining a healthy lifestyle through regular exercise and training.

**Rock Climbing:** Pursuing an adventurous outdoor activity that requires problem-solving and physical agility.

## ARTICLES

### The Art of AI: Using ChatGPT and Midjourney to Generate Inspiring Visuals

Exploring the beauty of randomness

[Link](#)

### How to Automate Midjourney Image Generation with Puppeteer

Web scraping Discord?

[Link](#)

### Linking Midjourney with a

deployment and scaling.

- Employed Terraform for infrastructure setup and Google Cloud Run for seamless cloud deployment.
- Successfully integrated hardware components, enabling art display on a screen linked to the Raspberry Pi.

Related Article: [How to Automate Midjourney Image Generation with Puppeteer](#)

Code: [Github](#)

## Shopify Theme Overhaul

Independently executed a complete functional redesign of a Shopify theme, enhancing its capabilities by integrating Stripe payment solutions and utilizing various modern web development tools.

- Developed a full-stack application using React, leveraging Context for efficient state management.
- Engineered serverless JavaScript backend functions to ensure seamless functionality, integrating Stripe's checkout system and Contentful's headless CMS.
- Deployed the application using Vercel, leveraging AWS for robust and reliable hosting.

Tech Stack:

- Frontend: React.js, Styled Components
- Backend: Node.js, MongoDB Atlas, Mongoose
- API Integration: Stripe, SendGrid
- CMS: Contentful

Achievements:

- Improved user experience by implementing modern design practices and user-centric features.
- Successfully integrated payment solutions, enhancing the e-commerce functionalities of the Shopify theme.
- Ensured scalability and reliability through efficient deployment on Vercel and AWS infrastructure.

Code: [Github](#)

## Personal Portfolio

Designed and developed a personal portfolio website, utilizing contemporary web development technologies to create an interactive and visually engaging website..

Tech Stack:

- Frontend Frameworks: Next.js, React
- Styling: Tailwind CSS for streamlined and responsive design
- Animation: Leveraged Framer Motion for fluid and engaging

# Raspberry Pi

animations

Did someone order order randomized art?

[Link](#)

## REFERENCES

References available upon request

Key Features:

- Implemented a dynamic and modern UI/UX design to showcase personal projects and skills.
- Integrated responsive design principles, ensuring accessibility across various devices.
- Incorporated animations using Framer Motion for an interactive and engaging user experience.

Code: [Github](#)

More projects available at: [GitHub](#)

## WORK EXPERIENCE

*Tesco PLC, Shop Assistant*

Transferable Skills:

- **Problem-Solving:** Handled and resolved customer inquiries efficiently, applying critical thinking to address various issues, a skill directly transferable to debugging and troubleshooting in programming.
- **Team Collaboration:** Worked collaboratively within a team to ensure smooth sales operations, akin to working in development teams on coding projects in computer science.
- **Attention to Detail:** Maintained high standards of cleanliness and organization, showcasing a keen eye for detail, an essential attribute for writing precise and error-free code in programming.

*Grand Royale London Hyde Park, Porter/Waiter*

Transferable Skills:

- **Adaptability:** Thrived in a fast-paced and diverse environment, demonstrating adaptability and the ability to learn and adjust quickly—skills crucial in the constantly evolving tech landscape.
- **Communication Skills:** Effectively communicated with guests and provided high-quality service, emphasizing the importance of clear and concise communication, an essential skill in programming for conveying complex ideas concisely.