Daniel **Dhawan**

Education

2015–present   **Bachelor of Science in Mathematics and Physics, Department of General and Applied Physics**, *Moscow Institute of Physics and Technology (National Research University)*, Moscow, *GPA – 7.8/10.*
Study program: Quantum field theory, string theory and mathematical physics

2013–2015   **High school**, *Lyceum 1580 under Bauman Moscow State Technical University*, Moscow.
Specialized in mathematics and physics

Experience

2018–present   **Founder**, *emovi*, Moscow.
CEO at emovi, a mobile app to search for movies by moods represented by emoji and receive movie recommendations. Android, mobile design, backend, management

2018–present   **CTO at MitinoGame**, *mitinogame.ru*, Moscow.
Design, frontend and backend of the MitinoGame e-commerce shop

2017–2018   **Teacher of olympiad maths**, *Moscow*.
Teaching high school students (university entrants) to prepare them for Russian mathematics olympiads.

2016–2018   **Mentor in online educational center**, *Foxford, foxford.ru*, Moscow.
Mentoring MIPT entrants (high school last year), focusing on their preparation to physics and maths olympiads and to Unified State Exams.

2017   **Scout leader in Foxford summer educational camps**, *Foxford*.
Scouting and mentoring high school students (future university entrants) in educational summer camps

2015   **Freelance programmer**.
Did freelance projects during summer

Hackathons, schools and other

2017   **Junction 2017**, Helsinki, Finland.
Idea, design and frontend for **Emotive** (see Projects section)

2016   **iOS summer school's local hackathon**, *Higher School of Economics, CS department*, Moscow.

2016   **iOS application development summer school**, *Higher School of Economics, CS department*, Moscow.

Coursework

Maths	Calculus I, II, III, IV, Linear Algebra, Analytic Geometry, Probability theory, Differential Equations, Group and Representation theory
Computer Science	C and C++, Assembly, Introduction to Operating Systems (UNIX), Algorithms and Data Structures
Physics	General Physics: Mechanics, Thermodynamics, Electromagnetism, Optics, Quantum Mechanics, Lab practical, Theoretical Physics: Theoretical Mechanics, Field theory, Quantum Mechanics
Product management	"Product management and startups in Mobile industry" by Alexei Moiseenkov (Prisma)

Skills

Developer	Python (backend / parsing / Jupyter), Android (Kotlin / Java / MVVM / Dagger2 / Jetpack / Glide / Retrofit), Frontend (HTML / CSS / Sass / npm), Backend (Flask, Django, Docker, Postgres, REST API), C / C++
Designer	Mobile design, Material design, Web design, Adobe XD, Adobe Photoshop
Tools	Bash, Git, WSL on Windows 10, Stack Overflow, Google search, LaTeX

Projects

emovi	Founder of **emovi**, a mobile app to search for movies by moods represented by emoji and receive movie recommendations. Android, mobile design, backend, management.
MitinoGame	CTO at **MitinoGame**. Design, frontend and backend development of the game consoles e-commerce shop mitinogame.ru
Emotive at Junction 2017	Idea, design, frontend at Junction 2017 hackathon. A small webpage to search movies by moods represented by emoji. To be continued in **emovi**. Devpost link
Own projects	Android apps for junior students contests at MIPT and other minor personal projects (see Github for some)
Freelance project	Auto-posting on online bulletin boards: Python parse script with PyQT user interface featuring auto-registration on 20 specified online bulletin boards, automatic email confirmation and posting a specified post on the boards
GitHub	https://github.com/theshadowagent

Interests

· Physics, maths, computer science and science in general
· Startups and world-changing technological or scientific projects
· Design, frontend, product management
· Sports and self-development
· Teaching, mentoring and helping people improve

Languages

Russian	Native language
English	Upper-Intermediate (B2)

Other Achievements

Presentations, webinars	2017 – Online webinar on Foxford (foxford.ru) about how to prepare for entering MIPT
High school	Prize winner of the "Phystech" maths and physics olympiad, scored 298/300 on Unified State Exams (Maths, Physics, Russian language) and 85/100 in Computer Science