Mihail Dunaev

Computer Skills	**Web Technologies and Programming Languages**

Computer Skills

Web Technologies and Programming Languages

Javascript/Typescript, Node.js, Express, GraphQL, Nest.js, Apollo, React.js, Redux, Next.js, Feathers.js, PostgreSQL, AWS (S3, EC2, RDS, EKS), Heroku, Github, Github Actions, Open Source, Docker, JWT, Auth0, Vue.js, Vuex, Gatsby.js, Netlify & Netlify-CMS, Hasura, React-Admin, AdminBro, Styled-components, Jest, Enzyme, MongoDB, MySQL, Python, Django, Webpack, ES6, PHP, Nginx, Apache2, Wordpress, SVG Animations, Flask, Kubernetes, Kafka, Jenkins, Datadog

Other Programming Languages and Relevant Technologies

C/C++, Java, Octave/MATLAB, GNU/Linux, OpenCV, SciPy Stack, Scikit-learn

Abilities

Creativity, problem solving, open minded, analytical thinker, self-motivated

Work Experience

Full Stack Software Engineer at Contentsquare   *January 2022 – May 2022 (5 months)*
• Implemented team roles for the platform and added a new role "Super Admin"
• Migrated packages on the frontend to newer versions (Vue.js, Vuex)
• Fixed a lot of problems with the backend services (Nest.js, Node.js, PostgreSQL, AWS)

Full Stack Engineer at Winter Circle   *May 2019 – December 2021 (2 years, 7 months)*
• Platform migration from Angular.js 1.x to React, made it 2x as fast
• Django Admin (Python) alternative in Javascript (React Admin, Hasura, GraphQL, Node.js, PostgreSQL); open sourced package we used internally at https://github.com/mihaildu/ra-resource-aggregator
• Static websites: marlinhawk.com, wintercircle.co (Gatsby, React, Netlify & Netlify-CMS, Node.js)
• Platform that generates reports with ideal candidates for clients (echarts, Thrive CRM, PostgreSQL, GraphQL, Next.js, React, Node.js, Heroku); wrote a GraphQL server that merges inconsistent data from a CRM and a database
• Managed a team with one other person
• Learned how to manage projects, plan ahead and estimate how long it's going to take

Full Stack Developer at Migacore Technologies   *November 2018 – April 2019 (6 months)*
• Website with optimal price for flight tickets for Lufthansa (React, Redux, Flask, AWS)
• Refactored the web crawling code base (Python, Scrapy)
• Implemented a basic proxy crawl alternative to use internally (Python, AWS)

Full Stack Developer at YLD Limited   *February 2018 – October 2018 (9 months)*
• Open source submission and peer review platform for academic papers (React, GraphQL, Apollo, PostgreSQL, PubSweet)
• Wrote frontend components, part of the GraphQL layer, solved problems with docker containers running inside Nginx
• Source code available at github.com/elifesciences/elife-xpub

Other relevant work
Freelancer (Javascript, Python, MATLAB)   *May 2017 – February 2018 (10 months)*
Software Engineer at SwiftServe Limited (C++)   *September 2016 – January 2017 (5 months)*
Software Engineer at VirtualMetrix Design (C)   *November 2014 – August 2015 (10 months)*

Education	**Attended The University of Edinburgh**	*2015 – 2016*

MSc. in Artificial Intelligence

BSc. in Computer Science   *2010 – 2014*

Politehnica University of Bucharest

Thesis: *Real-Time Emotion Detection from Facial Expressions*

Online Courses   *2010 – 2014*

Machine Learning (Andrew Ng, Stanford University), *Algorithms* (Robert Sedgewick, Kevin Wayne, Princeton University), *Algorithms: Design and Analysis* (Tim Roughgarden, Stanford University), *Introduction to Algorithms* (Charles Leiserson, Massachusetts Institute of Technology)

Baccalaureate Diploma, High School Diploma   *September 2006 – July 2010*

Graduated with a baccalaureate diploma of 9.65/10.00

Publications   **eLearning and Software for Education**   *April 2015*

Expressio: Automatic Feedback for MOOC Teachers based on Affective Computing

DOI 10.12753/2066-026X-15-185.

Personal Projects   **Introduction to Fitness** (2022) – Open source book on fitness. Available at fitnessbook.github.io/book.pdf

Petbook (2017) – Minimal social network using React.js + Flux and Express with MongoDB. Demo available at petbook.up.railway.app

Other Projects

Lego Robot (2015) – Robotics, Computer Vision, Machine Learning

Expressio (2014) – User emotions from camera. Computer Vision, Machine Learning

Resource Monitor for Android Devices (2013) – Java, Android

Client-Server Chat & File Sharing (2013) – C, Linux, Socket API

Contests and Awards   **Man AHL Coder Prize Runner-Up**   *February 2016*

I finished 2nd in the Man AHL Coder Prize contest. Contestants had to write bots for the game of Hexplode to battle against each other. The contest was for students from UK and Ireland.

Intel Romania Scholarship Program   *February 2014*

I was selected for the Intel Romania Scholarship Program, to work on my Bachelor thesis.

Hobbies   Fitness (bodybuilding, running, hiking, martial arts etc), Cooking (molecular gastronomy), MotoGP fan, Travel

Links   Personal web page – mihaildu.github.io

Github page – github.com/mihaildu

LinkedIn page – linkedin.com/in/mihail-dunaev-02b253115

References   **Gianni Moschini** – Winter Circle

Dmitry Kadashev – SwiftServe Limited

Prof. Răzvan Rughiniș – Politehnica University of Bucharest

George Milescu, PhD. – Intel Romania