

DR. DAVID COHEN

Computer Science and Engineering professional, currently pursuing a Master's degree.

My main attention is on machine learning, mobile programming, and programming paradigms. Conducted comprehensive research in Natural Language Processing.

Experienced in software engineering and web development predominantly focusing on back-end. Known for lively enthusiasm and dedication towards intellectually challenging work.



CONTACT

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☎ +39 328 7622040 (personal)
in David Cohen

Development

🔄 @davidcohenunibo

CITIZENSHIP

🇮🇹 Italy

LANGUAGES

🇮🇹 Italian Mother language
🇬🇧 English B2 Level
🇬🇷 Greek speaking and reading

ENRICHMENT

- Software Engineering
- Functional Programming
- Scala Kotlin Java
- Multithreaded Programming
- Web Development
- Neural Networks
- Machine Learning
- Meta-programming
- Mobile native developing
- Multi-paradigm Programming
- API Design and Development
- Algorithm Design
- Internet of Things (IoT)
- Microservices
- Agile Development Cybersecurity
- Natural Language Processing
- Deep Learning

EDUCATION

📅 Sept. 2022 - Present
📍 CESENA (FC), Italy

M.S., Computer Science and Engineering
University of Bologna

📅 Sept. 2019 - Dec. 2022
📍 CESENA (FC), Italy

B.S., Computer Science and Engineering
University of Bologna

- Graduation score: 95/110
- Graduation class: Computer Engineering
- Thesis topic: Refracting probability distributions in abstractive summary by decoding strategies
- Supervisor: Antonella Carbonaro
- Co-Supervisor: Giacomo Frisoni
- Area of study: NLP (Natural Language Processing)

📅 Sept. 2009 - July 2014
📍 MORCIANO DI R. (RN), Italy

IT Technical High School
I.T.I. P.Gobetti

- Final score: 75/100
- Thesis: Focus on Cryptography, software methodologies and simple dynamic e-commerce website.

WORKING EXPERIENCE

📅 June 2021 - June 2023

Full-Stack Developer

📍 Docenti.it
📍 SAN MARINO, SAN MARINO

Responsibilities:

- 1st year: Led "Aggiornamento Graduatorie" project, handling large-scale data management, API development, and web interface design with JSF and PrimeFaces. Further optimized CRM's formation section by adding user-focused features and improving data tracking.
- 2nd year: Streamlined CRM API and employee interface; revitalized ticketing system; led frontend updates and API integrations on docenti.it; managed repair and improvement of the main website's frontend; integrated payment system for MAD service.
- 3rd year: Expanded role to include mentoring new joiners and providing technical guidance. Coordinated with a team of developers to create a new website, "lomilaureo.it" and CRM functionalities.

Achievements:

- 1st year: Successfully developed "AAggiornamento Graduatorie", a career tracking platform for educators, and introduced an effective booking system in the main website.
- 2nd year: Optimized CRM API performance, improved ticketing system, rectified website issues and introduced payment features to the main website.
- 3rd year: Integrated and trained new team members, and successfully led the launch of "lomilaureo.it".

Technologies Used:

- Programming Languages: Proficient in Java, JavaScript, and XHTML.
- Back-End Technologies: Experienced with JAVA EE, Hibernate, Spring, JAX-RS, and MariaDB. Familiar with server administration, including logging and application deployment on Nginx and Apache servers.
- Front-End Technologies: Skilled in using Google Web Toolkit (GWT), JavaServer Faces (JSF), PrettyNav, PrimeFaces, and XHTML templating.
- Database Management: Proficient in using MariaDB for database operations and structure design.

Sept. 2020 - June 2021

Docenti.it

SAN MARINO, SAN MARINO

Full-Stack Developer Intern

Responsibilities:

- Assisting in module development for the CRM, such as the tutor assignment feature.
- Debugging and bug fixing across the CRM.
- Assisting in server-side development.

Achievements:

- Developed additional modules for the CRM, improving functionality and user experience.
- Successfully debugged and resolved numerous system issues, enhancing overall performance.
- Gained substantial experience in JAVA EE frameworks and server-side development.

Technologies Used:

- JAVA EE frameworks (Hibernate, Spring MVC, JavaServer Faces (JSF)).
- Database Management Systems (MariaDB).
- Web development tools (GWT, JavaScript, XHTML).

Sept. 2016 - June 2018

GC Group Srl

Rimini (RN), Italy

System and Network Administrator

Responsibilities:

- System Administration:**
 - Assembled, installed, and maintained company components, ensuring smooth operation.
 - Installed and updated operating systems and software company-wide.
 - Configured computers, smartphones, and other devices for employees, implementing security measures.
 - Conducted hardware maintenance for racks, routers, and network devices.
- Network Administration:**
 - Managed network security, monitoring and safeguarding against potential threats.
 - Performed network administration tasks, including remote updates, maintenance, and monitoring.

Achievements:

- Demonstrated ability to quickly learn and adapt to new technologies.
- Implemented robust network security measures.
- Established stable and reliable system operation.
- Configured and secured devices for employees.
- Fostered a collaborative work environment and developed strong teamwork skills.

Technologies Used:

- Managed Windows Server and Hyper-V.
- Maintained network security. Performed Windows OS installation and updates.
- Used remote administration tools.
- Conducted hardware maintenance.

Feb. 2015 - Mar. 2015

I-Tel S.r.l.

Riccione (RN), Italy

IT Intern

Responsibilities:

Learned IT and sysadmin workflows from experienced professionals. Assisted in IT troubleshooting and website maintenance.

Achievements:

Gained a solid understanding of IT systems administration and web development within a professional context

Technologies Used:

- HTML/CSS/JavaScript: Utilized for website development and updates.
- Productivity Tools: Used software like Microsoft Office Suite or Google Workspace for project management and collaboration.

PRE-IT EXPERIENCE

Mar. 2016 - Oct. 2016

Le Fontane

Beach Attendant

Managed beach facilities and provided guest assistance.

Lug. 2015 - Aug. 2015

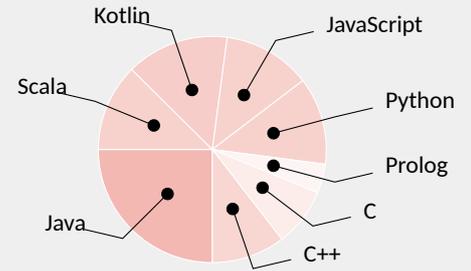
Borello Torino

Web Graphic Designer

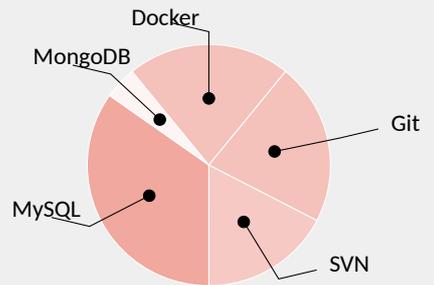
Created and implemented graphics for the website and conducted marketing campaigns.

PRO-SKILL¹

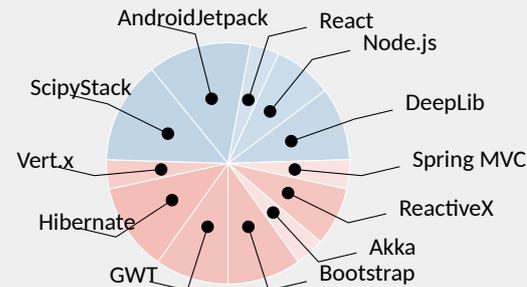
Programming Knowledge



Databases and DevOps



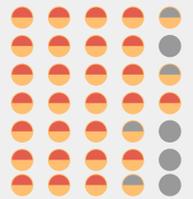
Frameworks and Libraries



The red color in the wheel represents JVM frameworks and libraries, while the blue color represents other frameworks and libraries.

PRE-SKILL²

- Problem Solving
- Analytical thinking
- Critical reasoning
- Creativity
- Organization
- Communication
- Teamwork



¹ The ratings reflect the average of my personal experience and dedication to each skill and the feedback received from my colleagues, former colleagues, and university project mates.

² Include a concise evaluation of each PRO-SKILL with my respective rating and feedback from peers.

CERTIFICATES

National Diploma of English Personal Trainer Instructor

 CONI Sports School by EurEthICS ETSIA

 May 2021

Microsoft Server

 Gc Group Srl

 Jun. 2017

SCIENTIFIC ACTIVITIES

PRISM: Refracting Probability Distributions into Abstractive Summaries through Decoding Strategies

 **D. Cohen**, Giacomo Frisoni, Luca Ragazzi, Gianluca Moro, Antonella Carbonaro, Claudio Sartori

 2023

 Paper submitted

 NeurIPS 2023

October 6, 2025