Nikola Madjarevic

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LinkedIn: https://www.linkedin.com/in/nikolamadjarevic

Portfolio: https://madjarevicn.github.io   *Github:* https://www.github.com/madjarevicn

Birth date: 8th October, 1996. Belgrade Serbia

EDUCATION

Faculty of Computing (Računarski fakultet)   Expected graduation: *May 2019.*

B.A. Candidate, Computer Science and Mathematics

GPA: **8.70 out of 10.00**

Coursework: Data Structures, Algebra, Discrete Mathematics, Linear Algebra, Differential Equations , Algorithms, Artificial Intelligence, Mathematical Analysis, Object-Oriented Programming, Information management (Database modeling), Software Design, Computer Networks, Cryptography, Script languages, Compilers, Computer Graphics, Real-time systems

Mathematical High School (Matematička gimnazija)   Belgrade, Serbia   2011 – 2015.

(School designed for gifted and talented students in mathematics, physics and informatics, and ranked number one at International Science Olympiads by the number of medals won)

- Specialized syllabus covering most of first-year university mathematics and other natural sciences
- Scored 240 points out of 240 on entrance test (top 5% of approximate 210 applicants)   June 2011.

WORK EXPERIENCE

- *Ninja at **WhiteCitySoft***   Belgrade, Serbia. October 2017 – present.
  - Backend developer. Alone working as backend developer on healthcare project **"Entropia".**
    - Responsible for the server-side web application logic. Writing web services and APIs.
  - iOS developer. Collaborating with cross-functional teams to define, design, and ship new features.
  - www.whitecitysoft.com
  - Mentors: Mr. Gordan Topalovic (*CEO of WhiteCitySoft*)
- *Software Engineer Intern at **Vyasa Analytics***   San Francisco, California. June 2017-September 2017.
  - Vyasa Analytics provides services and solutions related to novel deep-learning approaches in the life sciences and healthcaresectors
  - Working on Data Analytics project. Crawling petabytes of data from the internet. Self developed every crawler using PHP and Python. All crawled data stored in MongoDB. Also participated in their Machine Learning projects.
  - Mentor: PHD Christopher Bouton (*CEO of Vyasa Analytics –* chris@vyasa.com)
- *Software Engineer Intern at **Faculty of Computing***   Belgrade, Serbia. June 2016 – September.2016.
  - Worked in a team on making global libraries software. Was in charge to develop data converter which converts excel sheets in specified data format in Java, develop few algorithms running on that data.

ACTIVITIES AND SKILLS

Computer skills:

- Languages: C, C++, C#, Python, Java, Swift, MySQL, JavaScript, PHP
- Frameworks: Spring(Boot, MVC, Cloud), Scrapy, Cocoa-touch, AngularJS, Webix
- Data Structures: *Arrays, Linked Lists, Trees, Graphs, Heaps, Hash Tables*
- Concepts: *Recursion, Dynamic Programming, Divide & Conquer, Greedy, Big O Time & Space*
- Design patterns: *Dependency Injection, Command, Bridge, Singleton, State*
- Architectural patterns*: Inversion of Control, MVC (model-view-controller), Front Controller, Action-Domain-Responder(ADR)*
- Good understanding of : HTTP protocol, network stack, AWS, RESTful services, Data Modeling in SQL environment, IoC
- Certificate for *Database design and programming with SQL* from **Oracle Academy**   May 2015.
- Certificates (Level 1 & Level 2) for *Swift language* from **CCA(Cambridge Certification Authority)**   September 2017.

Other:

- SAT Mathematics Level2 Test – scored 95%   October 2014.
- Volunteer at International Workshop on Future Linear Colliders – LCSW14   October 2014.

Languages:

- Serbian(native)
- English(fluent)