



GAYANE MARGARYAN

Bachelor of Science/Doctor of Medicine

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Health Informatics Specialist.

SKILLS: General Practice Doctor. Combustionist (specialist in burns treatment).

Website Administrator. Full Stack Web Developer. Data Visualization Specialist.

Database Administrator. Data Analyst. Clinical documentation specialist -

Medical coder, biller. SNOMED Implementation Specialist & Content Developer.

LANGUAGES English good, Russian excellent, fluent and Armenian fluent.

WORK EXPERIENCE

2016 — Current (in New York, USA)

Document Reviewer in Epiq.

Web Server Administrator, LAMP/ WAMP Administrator, Web Developer, MySQL DBA, Data Analyst.

www.doctor.am, www.electionscount.info, <http://elections.transparency.am>, www.medindex.am...

2012-2017

Transparency International Anti-Corruption Center. <http://elections.transparency.am>

MySQL Database Administrator. Full Stack Web developer.

Hosting and database administration. Configuring and installing separate servers.

Developing of databases to store electronic data that support 5 electronic monitoring web sites 2012-2017.

- Data Visualization. Election monitoring representation as website in tables, lines, columns, pie charts...
- Developing of website navigation, page templates, galleries, diagrams, charts, graphics, statistics.

2007-2012

- Election monitoring website <http://election.medindex.am>

• Affiliating with U.S. National Library of Medicine, Development of Multilingual glossary UMLS on website with search, filtering, sorting, linking, mapping.

- Affiliating LOINC Regenstrief Institute, USA.

- Development of Internet shops, based on ShopXML Affiliate Partnership and e-Commerce Solutions

- SEO (Search Engines Optimization) . Web Publisher in Google Inc., USA AdSense Program, advertising

2005-2007 "Armat" LTD and "Neurohereditary Diseases" Charity Association (Armenia).

Medical Library of Ministry of Health of Armenia.

Family Medicine Association.

Health Informatics Specialist. Web Programmer. Developer of Internet catalog of health professionals.

2003-2018

Owner of websites. Author, manager of web projects. Award WSA2005 of the nomination of e-health.

Web Development, MySQL DBA, <http://www.doctor.am>, <http://www.medindex.am>, <http://www.museum.am>

2003-2005

LTD "Web Soft Technologies." Web designer. Web Programmer. Website Administrator.

Development of websites for webdesign company, tax service, job agency, real estate company, car rental service, hotels guide, educational firm, childrens magazine in HTML, JavaScript, Flash, PHP, MySQL ...

1999-2003

LTD "Phonet". Internet Provider in Armenia.

Hosting Administrator. Web designer/Programmer. Website Administrator.

- Administration of IIS (Internet Information Services) on the Windows Server.
- Development of website for company on ASP, HTML4, JavaScript .
- Database management in Microsoft Access, configure user interfaces, access profiles in website.

LTD "Interline". Internet Provider in Armenia. Director.

- Develop and manage annual budgets for information technology projects.
- Implement electronic document processing in collaboration with other information technology specialists.

EDUCATION

1987-1993. Diploma. Yerevan State Medical Institute after M. Geraci (YSMU).
US Equivalent: Combined Bachelor of science /Doctor of Medicine.

POSTGRADUATE TRAINING. CLINICAL EXPERIENCE.

1993-1994. Internship. Certificate of General Practitioner Doctor.

Educational Scientific Medical Complex «Armenia».

1995-1996. Anesthesiology Courses, arranged by Ministry of Health of Armenia.

1996-1999 Residency in the National Institute of Health of Armenia.

Physician in the Republican Scientific Center of Radiation Medicine and Burns.

Examination and treatment of patients in departments of Abdominal Surgery, Plastic and Reconstructive Surgery and Burn surgery. Anti-shock infusion therapy, resuscitation and intensive care, treatment of sepsis, Surgical procedures. debridement, skin grafting, using electrical dermatome.

Medical Statistics, Document Review, Data Analysis. Processing of clinical data, verification.

PROFESSIONAL QUALIFICATIONS / ACHIEVEMENTS

Medicine (grades **A**): Latin Language, Biology, Biological Chemistry, Histology, Embriology, Cytology, Pathological Anatomy, Pathological Physiology, Propaedeutics of Internal Diseases, General Surgery, Eye Diseases, Psychiatry and Medical Psychology.

(grades **B**): Medical and Biological Physics; Normal Anatomy; Inorganic and Biophysical Chemistry; Microbiology, Virology and Immunology; Pharmacology; General Hygiene; Skin and Veneral Diseases; Ear, Nose and Throat Diseases; Nervous Diseases and Neurosurgery; Medical Genetics; Internal Diseases, Principles of General Physical Therapy, Occupational Diseases and Military Field Therapy; Urology; Obstetrics and Gynecology; Forensic Medicine; Public Hygiene, Health Care Organization; Civil Defense;

Total Number of Semester Credits 160 Cumulative GPA: B+ (3.20)

Written translation of medical texts from English to Russian.

Web Hosting Administration: Windows, Ubuntu, RedHat, VPS, Amazon EC2, VPC, Apache, MySQL Community Server, MariaDB, FTP/SFTP, SSH, PuTTY, WHM, PHPMyAdmin, MySQL Workbench...

Web Development: HTML5, CSS3, JavaScript, PHP, MySQL, JQuery, JQ Mobile, Bootstrap JS, JSON, XML, OWL, MathML, SVG, Microformats. Google Webmasters/ Adsense/ Analytics, Facebook Ebay.

Data Analysis & Visualization: Data Analysis and Utilization; Data Reporting; Data Management; Privacy, and Security; Management of Health Information Systems and Processes; Database Management; Health Informatics; Project Management; *Python, R, MySQL, Excel, Tableau...*

(Tables, lines, columns, pie charts, galleries, image maps, other visual representation of data)

Electronic elections monitoring program.

Electronic Medical Records administration and development. OpenEMR. REDCap.

Unified Medical Language System. **Medical Terminology** mapping, **SNOMED CT implementation** (SNOMED CT Browser, SnowOWL, Description logic. Protege. DL reasoner FACT++. B2i Healthcare).

Educational LMS. SCORM. Tests, crosswords, puzzles design. **WordPress** Development.

Document Review Relativity.

Graphic design: Ulead Photoimpact. GIMP, Adobe Photoshop & Flash, Adobe Premier, Kdenlive.

Search Engines Optimization. Google. Yahoo. Yandex. Web Metrics. Web Analytics.

Affiliation / Licenses, Professional Membership

2008. UMLS National Library of Medicine of USA affiliate license.

2008. LOINC Development Team. Regenstrief and IHTSDO. Affiliate.

Awards

2005. Award of the nomination of e-health "MASHTOTS 1600". www.doctor.am represented Armenia at the Word Summit Award (WSA) in 2005 and was selected in Top 10 of e-health.

http://www.irfd.org/events/wf2005/bios/margaryan_gayane.htm

CERTIFICATION *Online skills preview*

2018. Jtech Software specialist. Computerized Range of Motion testing, Inclinometry, Muscle Testing, Grip Strength Testing, Pain and Algometry, Lifting, Job Function... Analyzing data and creating reports.
2018. SNOMED CT Content Development Theory Course. ID: 0e170250-31fa-11e8-a0b1-3b6b1da3eba4
<https://elearning.ihtsdotools.org/mod/simplecertificate/verify.php>
2018. Design and Analyze Secure Networked Systems by University of Colorado System.
<https://www.coursera.org/account/accomplishments/certificate/TB8TRY983B6X>
2018. Secure Networked System with Firewall and IDS by University of Colorado System.
<https://www.coursera.org/account/accomplishments/certificate/J5HYUQDKFAJS>
2017. Clinical Terminology for International and U.S. Students by University of Pittsburgh.
<https://www.coursera.org/account/accomplishments/certificate/LL8PKPLQGPB7>
2017. Data Management for Clinical Research by Vanderbilt University.
<https://www.coursera.org/account/accomplishments/certificate/LBL9JPB2Y4D9>
2017. Introduction to Data Science in Python by University of Michigan.
<https://www.coursera.org/account/accomplishments/certificate/8SLSTVM9BD2N>
2017. Applied Plotting, Charting & Data Representation in Python by University of Michigan.
<https://www.coursera.org/account/accomplishments/certificate/ME23UHAH9DG6>
2017. HI-FIVE: Health Informatics For Innovation, Value & Enrichment by Columbia University.
<https://www.coursera.org/account/accomplishments/certificate/YRQ8NU92BZZE>
2017. SNOMED CT Implementation Course. Certificate ID: 971eae90-1cfa-11e7-b441-a5f7158dbe56
<https://elearning.ihtsdotools.org/mod/simplecertificate/verify.php>
2015. SNOMED CT Foundation Course. Certificate ID: c18c6ca0-a334-11e5-9a3e-8992e55fdb85
2011. International English Language Testing System (IELTS). Overall Band Scroll 5.0