Aleksander Dimitrov

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Summary and Skills

US citizen and University of Arizona graduate with a double-major in Computer Science and Information Science & Technology. Detail-oriented quick learner looking forward to problem-solving and engaging in challenging projects as part of a successful team of professionals.

- **Tech Skills:** Python, Java, HTML5, CSS3, JavaScript (JS), React.js, Node.js, C#/ .NET, Amazon Web Services (AWS), MySQL/ SQL, PHP, GitHub
- **Familiar with:** Unit Testing (Junit), Ruby, R, Kotlin, Docker, AI, MongoDB/ NoSQL, Express.js, Unity, Plastic SCM, Blender, jQuery, Tableau, Jira, DigitalOcean, PuTTY, WinSCP, PowerShell
- **Preferred IDEs:** Microsoft Visual Studio Code, Eclipse, RStudio, Jupyter
- **Other Skills:** Scrum/ Agile/ Kanban, OOP, MVC, Data Mining/ Data Analysis

Education and Certifications

Bachelor of Science with double major in Computer Science and Information Science & Technology, 2023
University of Arizona
- Named to iSchool Director's List of Distinguished Undergraduate Scholars

Microsoft Azure Fundamentals (AZ-900):
https://learn.microsoft.com/api/credentials/share/en-us/AleksanderDimitrov-9194/D9CD5581F5B65B3B?sharingId=97366C9CD20C1C6E, Credential ID: D9CD5581F5B65B3B, Certification number: D64AN6-D25215

Cisco Introduction to Cybersecurity: https://www.credly.com/badges/4c5c3cd6-63b6-46ba-b0c3-767b2bfc1af4/public_url

Microsoft Office Specialist Master: verify.certiport.com, 64V8-XVCo

Granite Falls High School, Granite Falls, WA: graduated 2019 with 4.0 GPA

Experience

EYE Toolbox Full Stack Developer | Near Vision Institute, remote   2023

- Implemented features based on Jira tickets with the Scrum workflow, using HTML/ CSS/ JS/ PHP code for the nurse dashboard part of the EYESeeClinic website and EYE Toolbox application
- Integrated a DatabaseIO class to refactor the backend PHP/SQL codebase and improve organization and efficiency in connecting to databases by using an object-oriented programming (OOP) approach
- Updated PHP and HTML/ CSS/ JS files to update the frontend of a form, take input from it, process it, and send it to a database set up with AWS RDS, fixing its structure using phpMyAdmin
- Secured the connection to a MySQL database containing vital Protected Health Information (PHI)
- Worked with administrative capabilities of Jira such as managing the workflow of boards, and leveraged Bitbucket to maintain the code base
- Utilized ChatGPT to assist in analyzing code snippets more closely

EYE Toolbox Backend Developer (Contract) | Near Vision Institute, remote   2022

- Moved the clinic towards the goal of determining those who need comprehensive eye exams
- Refined a recipe for making Amazon EC2 instances/ AMIs to set up the backend architecture for a developer environment, utilizing Amazon EC2, RDS, VPC, and other AWS services
- Worked on vision screening consent forms with HTML/ CSS/ JS/ PHP in collaboration with a few students from UW Bothell

- Staffed the Auburn High School Vision Screening event, entering about 80 students into a MySQL database and monitoring data using phpMyAdmin
- Designed a dashboard to view the screening event results from the MySQL database

Software Engineering Intern | Near Vision Institute, remote   2020

- Moved the clinic towards the goal of improving security to reach HIPAA compliance for a custom optometry toolbox app (https://n-od.com/)
- Deployed Amazon EC2 instances to set up the backend architecture for a sandbox environment
- Utilized WinSCP and PuTTY to SSH remotely for secure file transfers, and edited application configuration files using Nano and Vi/ Vim to update them to PHP 7+
- Used Git through AWS CodeCommit to share files between teammates

Mentor | Tutor | Boys' & Girls' Club, Granite Falls, WA   2018

- Taught students general coding principles in FIRST/ Junior FIRST League robotics
- Tutored students to assist with homework, primarily math

Projects

- Portfolio – https://aleks1.netlify.app/
  - Developed a portfolio website using HTML/W3.CSS/JS and hosted it on Netlify
- Proto Station Gamma – https://lniemann.itch.io/proto-station-gamma
  - Developed a 3D first-person shooter game in a team of 5 using C# and Unity
- Alara's Workshop – https://lniemann.itch.io/alaras-workshop
  - Developed a 2D tower defense game in a team of 5 using C# and Unity
- One Bolt – https://thetruegoldking.itch.io/one-bolt
  - Developed a 2D platformer game in a team of 5 using C# and Unity
- Mastermind App – https://github.com/AleksDimitrov/Mastermind.git
  - Designed my own version of the classic game Mastermind in Java using the MVC design pattern
- Solar App – https://solar-37ce.onrender.com/
  - Developed a study app using HTML/ CSS/ JS in a team of 3
- For more (mostly in progress) projects, see my GitHub: https://github.com/AleksDimitrov