Dylan Harrison

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https://dylanharrisongithub.github.io 💼

https://github.com/DylanHarrisonGithub

https://dylansamcsblog.wordpress.com Ⓦ

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SUMMARY

Motivated, Quick learner with strong passion for software engineering. Focus on MEAN Full-Stack web application development with MVC pattern, responsive design, and CRUD operations. Additional skills in unit-testing and test driven development, debugging, Git and Github version control, Agile Scrum development methodology, and technical writing.

SKILLS

Ajax, Angular, Assembly (x86/MIPS), C/C++/C#, cPanel, Express, Git, Google App Engine, Heroku, HTML/CSS/Bootstrap, Java, JavaScript/TypeScript, Matlab/Octave, MongoDB, NodeJS, PHP, Python, React, SQL, Swift, jQuery, .NET.

EDUCATION

Bachelor of Science, Applied Mathematics and Computer Science
University of Wisconsin Milwaukee
3.4 Major GPA. 2015 Dean's List.

May 2017

PROJECTS

rpgParty *MongoDB, Express, Angular, Node (MEAN Stack)*

Current

- Online D&D-like multiplayer role playing game for small groups.
- Connect several mobile devices to a central home display.
- User registration, login, and logout with JWT authentication.
- MVC design pattern with CRUD operations.
- Custom HTML5 Canvas isometric tile rendering engine.

PassMan *C#, .NET*

2017
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- Windows password manager application.
- Custom RSA-like encryption algorithm based on Fermat's little theorem.
- Custom implementations of Extended Euclidean Algorithm, and Miller-Rabin Primality test.

Seurat *C#, .NET*

2017

- Windows Drawing Application.
- Multiple Drawing Tools. Pencil, Curve, Bucket, etc.
- Image zoom and pan, transparancy and layers.

SyllabusCreator *Google App Engine, Python, HTML*

2015

- Syllabus generator web application deployed on GAE.
- Contributed course calendar and webscraper modules.
- Worked with Agile, Scrum team framework.
- Provided deliverable code in incremental project development sprints.

EXPERIENCE

Captel Milwaukee *Captioning Assistant*

2011–present

- Provide real-time telephone captions for the hearing impaired.
- Maintain 95% call floor adherence and 98% call accuracy.

Abu's Restaurant Milwaukee *Prep and Line Cook*

2005–2011

- Cooked and Prepared menu items from scratch.
- Trained new prep and line cooks and managed other staff.
- Maintained stock of food and other restaurant supplies.