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Citizenship: United States, Ireland

EMPLOYMENT HISTORY:

Web Dev Intern: Microsoft Ireland - Dublin, Ireland - (Summer 2015)

- Shadowed dev teams in a group working on a CMS (content management service) for MSN news
- Worked with TypeScript/Angular/AJAX
- Single Page Angular-js site, that used a c# middle tier to deal with certs and calls to the Backend NOSQL database
- Worked on a local build of the site and got a code merge onto the Prod branch of their TFS version control server

EDUCATION:

Goucher College

2017

Majors in Mathematics and Computer Science

Classes: Calculus III, Linear Algebra, Differential Equations, Scientific Computation, Introduction to Computer Science, Foundations of Computer Science, Software Development, Analysis of Algorithms, Theory of Computation, Databases and Transaction Systems, Independent Study in Robotics, Independent Study in Machine Learning, Computer Architecture, Principles Artificial Intelligence

Cum GPA: 3.48

Tamalpais High School

2013

Classes: Physics, Calculus 1, Calculus 2, Geometry, Chemistry

Cum GPA: 3.4

SKILLS:

Well versed in Matlab (working on matrices in context of linear algebra and differential equations and scientific computation), LATEX, MS Excel/Word, Final Cut Pro, Photoshop.

Extensive experience in Java and Python, familiar with Prolog, Haskell, C/C++, some experience with PERL and Ruby.

Extensive experience with Linux DEBIAN/DEBIAN VARIANTS/REDHAT/CENTOS and Windows XP/VISTA/7/8.

Experience with the Android SDK, have created Android apps with XML and Android's Java API's.

Experience with SQL and database management.

Experience in web design working with CSS/HTML/PHP/JAVASCRIPT.

PROJECTS:

Machine Learning Algorithm Python based code based in theano. Using a convolutional neural net to

interpret huge amounts of data (2D images over time) collected by running a Atari emulator on random player input. Using 16 feature maps and 9 dictionaries in the convolutional neural net, I am working to get image recognition for a future pong playing algorithm.

Database Website On a private server I created a frontend for an extensive pokemon Postgres database. It has an autocomplete search bar feature and dynamic graphs that are written in JQuery, but all interaction with the PSQL database was handled through PHP for security and stability. All web design was written in CSS/HTML with some dynamic divs written in JQuery for fluid UI.

AWARDS:

2015 Goucher College Dean's List

2014 Goucher College Dean's List

2013-2014 \$12,500.00 Alumni Scholarship to Goucher College

2011 San Francisco Bay Area Science Fair: Third Place in category of Engineering and Computer Applications: *How powerful is cell phone radiation?*

2011 The National Academy of Television Arts and Sciences: Long Form Nonfiction Award for Excellence: Documentary "*Our Occupation*"

REFERENCE'S:

Jimmy Doyle
Engineering manager Microsoft
MSN web development
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