

Kevin Welcher

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EDUCATION

University of Virginia, School of Engineering and Applied Sciences

Charlottesville, VA

Bachelor of Science in Computer Science, May 2011

- Major GPA: 3.3
- Finished 6th out of more than 120 teams in the International Collegiate Programming Competition (ICPC); Worked in a small team to solve algorithmic, object oriented, and IO problems in a time sensitive environment;
- Relevant Coursework: Web Services, Databases, HCI, Computer Security, Computer Networks, Parallel Computation, Software Development Methods, Programming Languages

EXPERIENCE

Chatter Sports LLC

Charlottesville, VA

Investor-backed online social gaming startup (chattersportsllc.com)

Spring 2012 - Present

Lead Developer

- Joined founding members as the initial developer, identified appropriate technical stack with focus on creating highly scalable games with NodeJS, SocketIO, MongoDB, the HTML5 Canvas, and the Isogenic Game Engine
- Extensive use of the Chrome Developer Tools to ensure efficient code
- Identified and addressed several major memory leaks in both the game engine and game logic via code reviews
- Completed prototype two weeks ahead of schedule progressing beyond initial specifications for a more robust demo
- Participated in Darden Business School Startup Incubator; worked directly with team of MBAs, experienced entrepreneurs and advisors to learn fundamental business concepts and startup lifecycle

Redschoolhouse.org

Charlottesville, VA

University backed website that teaches students the fundamentals of writing

Summer 2011 - Present

Web developer / Site Administrator / IT Support

- Developed a web application for UVa's English Department to sort teaching assistants to classes using Bootstrap, RequireJS, BackboneJS / UnderscoreJS, CoffeeScript, and SLIM PHP. Implemented a modified stable marriage algorithm to intelligently create a desired matching
- Improved page responsiveness of Drupal powered site by replacing hard page refreshes with AJAX calls and other client side optimizations
- Improved user experience by redesigning layouts with an emphasis on ease of use and simplifying navigation
- Grew registered user pool by 16% up to 2,900 by developing dynamic, extensible widgets that non-technical content contributors utilize to engage users
- Provided real-time support to five major Universities presently using the site offering technical support and providing real-time troubleshooting to non-technical client staff

Freelance Work

Charlottesville, VA

Independent Developer

Spring 2011 - Present

- Worked with 3 clients to develop applications ranging from custom MVC driven web applications to a native iPad application completing each project on-time and earning recommendation for clients towards future work
- Developed 2 portfolio websites for local business owners using HTML5 semantic tags, CSS3, and Javascript to build static, low cost web pages
- Self taught iOS development (Stanford online courses), used in building a personnel management app for the iPad
- Hosted and developed in person and online training programs for both technical and non-technical users. Topics include Drupal, NodeJS, and BackboneJS

SKILLS

Languages / Frameworks / Tools

- Javascript / CoffeeScript, C++ / C, Java,
- NodeJS, BackboneJS, Drupal, Shell / Node Scripting, CodeIgniter

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INTERESTS

- Currently training for a marathon; have practiced Brazilian Ju Jitsu for 2 years and meditation for 4 years; firm believer in the importance of mental health and fitness
- Art in all forms, I express myself through photography and writing. I am an aspiring amateur photographer and am preparing for National Novel Writers Month (NaNoWriMo)