

Dave Kwiatkowski

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Experience

Microsoft, Software Engineer, 08/19–Present | Bellevue, WA

- Expedited resource load time by up to 3 minutes via service workers
- Decreased time to switch between iframes by 2 seconds via caching
- Eliminated 400 ms from server response time via response streaming
- Accelerated server by reducing HTML size by 21% via Brotli compression

Microsoft, Software Engineer Intern, 09/18–11/18 | Bellevue, WA

- Revamped entire mobile app by introducing cross-product React Native
- Saved service time via incident creation process and intelligent remedies
- Increased accessibility of React Redux products via React Native A11y

Microsoft, Software Engineer Intern, 05/18–08/18 | Bellevue, WA

- Boosted run-time of React Native app via buffered, organized logging
- Improved serviceability via telemetry and network analysis processes
- Automated feature-gate creation and API authentication via Gulp tasks

Fidelity Investments, Software Engineer Intern, 05/17–08/17 | Durham, NC

- Led temporary file alteration service development via AngularJS and Sass
- Added features via creating REST services and SQL database queries
- Refined web app quality via frequent unit tests and integration tests

Virginia Tech, Computer Science TA, 08/16–05/17 | Blacksburg, VA

- Raised software design and data structure knowledge via help sessions
- Escalated students' coding comprehension by refining curriculum
- Advanced object oriented programming understanding via 1 on 1 tutoring

General Dynamics MS, Software Engineer Intern, 05/16–08/16 | Fairfax, VA

- Awarded as one of the 1st interns delivering mission critical product
- Reduced build time by 5 minutes in JavaFX, Maven app via multithreading
- Achieved real-time data communication and storage via Derby database

Projects

Xcvrsion, Virtual Reality Tour App, 03/19–08/19 | Xcvrsion

- Created a VR app for iOS and Android via React Native and React Redux
- Accelerated development lifecycle via customer and user demos
- Increased user experience via modern UI principles and standards

What's in Your Wallet, Custom Credit Card Analysis, 01/17 | Capital One

- Awarded 1st Place in Capital One Software Engineering Summit
- Energized UX with animated elements and events via jQuery
- Streamlined Node.js app development templating via Pug and Sass

Skills

Coding

- Proficient with C Sharp, CSS, HTML, Java, JavaScript, jQuery, Node.js, Pug, React, React Native, React Redux, React Saga, Sass/SCSS, TypeScript
- Familiar with C, Objective-C, WebGL

Tools

- Browser development tools, Git, Gulp, Integration/Unit testing, LaTeX, Unix CLI, Vim

Topics

- Algorithms, Android development, Computer graphics, iOS development, Web development, Web performance

Leadership

Hackers at Virginia Tech

- Designer, 08/18–05/19
- Head of Advertising, 05/17–08/18
- Web Designer, 08/16–05/17

Computer Science Dept.

- Ambassador, 08/16–05/18

Computer Science Mentoring

- Mentor, 08/16–12/17

CodePath University

- Teaching Assistant, 08/16–12/16

Education

Virginia Tech

- BS, Computer Science
- Graduated Cum Laude
- In-Major GPA: 3.56/4.00