

Carlos Alexander Vializ

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Objective

- Front End Engineer position starting Summer 2015

Education

- B.S. in Computer Science. Virginia Tech, Blacksburg, VA. May 2014, GPA: 3.26

Skills

- 3+ years industry experience in JavaScript (Node.js, DOM), Python, Java, Bash, TDD, Agile
- W3C Standards, e.g. WAI-ARIA, WCAG, HTML5, CSS3
- Open Source libraries, e.g. React, Jasmine, Istanbul, Grunt/Gulp, Browserify, D3, Socket.io, etc.
- Coding and debugging in vim/terminal, all major browsers, IntelliJ, Eclipse, Visual Studio, etc.

Work Experience

- Web UI/UX Software Engineer, *Visa, Inc.* Foster City, CA. 2014-present
Transferred the Visa Checkout SPA from Backbone/Rails to a React/Node.js stack. Spearheaded the development of new CSS architecture for reusable common components in my first months at Visa, especially utilizing Node.js tools like PostCSS.
- Software Engineer Intern, *Tridium*. Richmond, VA. Summer 2013
Researched and developed front-end tooling for a JavaScript building-automation framework. Developed D3 chart interfaces using Node.js. Interfaced with the Niagara web back-end.
- Student Developer, *VT: Microsoft Secure Infrastructure Services*. Blacksburg, VA. 2012-2014
Implemented log-correlation to detect VT account lockouts. Searchable with Elasticsearch/Kibana

Personal Projects

- Created an interactive Aircraft Weight & Balance calculator using modern web technologies for use in General Aviation. The animated chart effectively aids aircraft-loading decision making.
- Implemented an internal music library database for WUVT student radio. Several web APIs integrated with Python and MySQL allow DJs to richly search a library of over 40,000 albums.

University Involvement

- WUVT Virginia Tech Campus Radio, *IT Staff Director*. 2011-2014
Maintained broadcast-critical Linux and Windows servers. Designed and implemented several internal web apps to manage broadcast data and manage our physical music library.
- VT Computer Science Community Service, *President*. 2010-2014
Led and coordinated several teams of volunteers to teach computer skills at public schools.

Academic Achievements

- Computer Science Research Consortium Scholarship for Academic Merit. 2013-2014