Carlos Alexander Vializ

Current Address
816 Newport Terrace
Blacksburg, VA 24060

http://www.vializ.me
(540) 455-0806
cv@vt.edu

Permanent Address
11009 Ascot Circle
Fredericksburg, VA 22407

Objective
◦ Seeking a full time Software Engineer position after graduation, specifically front- and back-end development for the web.

Education
◦ B.S. in Computer Science. Virginia Tech, Blacksburg, VA. May 2014, Current GPA: 3.35

Skills
◦ Proficient in JavaScript (Node and DOM), CSS, HTML, Python, Java, C, C++, C#, Shell script

◦ Experience coding and debugging in Eclipse, Visual Studio, and IntelliJ.

◦ 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.

◦ Implemented a radio fundraiser donation management system, securely collecting and storing information on donors and premium inventories using Django, MySQL and Javascript.

◦ Created an interactive, modular Aviation Weight and Balance calculator using HTML5.

University Involvement
◦ WUVT Virginia Tech Campus Radio, *IT Staff Director*. 2011-2014
  Maintained broadcast-critical Linux and Windows servers and implemented radio station IMS.

◦ VT Computer Science Community Service, *President*. 2010-2014
  Led and coordinated several teams of volunteers to teach computer skills at public schools and senior centers throughout the NRV.

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

◦ Zora and Gilmer Warfield Scholarship for Academic Merit. 2011-2012

Work Experience
◦ Software Engineer Intern, *Tridium*. Richmond, VA. 2013
  Wrote front- and back-end Javascript code for building and deploying large-scale Javascript frameworks. Developed reusable charting library using Node and D3. Wrote Java annotation processors for the Niagara building automation framework and integrated them with Gradle.

◦ Student Developer, *VT: Microsoft Secure Infrastructure Services*. Blacksburg, VA. 2012-2014
  Implemented software to detect VT users' account lockouts using log-correlation techniques. Written in C# using SQL Server and ASP.NET for the web front-end.

◦ Junior Software Engineer, *Optimal Satcom*. Reston, VA. 2012
  Wrote front- and back-end C# .NET code for an enterprise satellite-data management system.