

Carlos Alexander Vializ

Current Address

816 Newport Terrace
Blacksburg, VA 24060

Contact

(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 back-end development for the web, managing large sources of information.

Education

- B.S. in Computer Science. Virginia Tech, Blacksburg, VA. May 2014, Current GPA: 3.37

Skills

- Proficient in Java, C, C++, C#, Python, bash shell, Windows shell, JavaScript, CSS, HTML
- 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.
- Four years of Spanish coursework

University Involvement

- WUVT Virginia Tech Campus Radio, IT Staff Director. 2011-2013
Maintained broadcast-critical servers and implemented station information management systems.
- VT Computer Science Community Service, President. 2010-2013
Led and coordinated several teams of volunteers to teach computer skills throughout the NRV.

Achievements

- Zora and Gilmer Warfield Scholarship for Academic Merit. 2011-2012
- Computer Science Research Consortium Scholarship for Academic Merit. 2013

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 D3js. Wrote Java annotation processors for the Niagara building automation framework and integrated them with Gradle.
- Student Developer, *VT: Microsoft Secure Infrastructure Services*. Blacksburg, VA. 2012-2013
Implemented log-correlation software used to detect the sources of VT users' repeat lockouts. Written in C# with T-SQL utilizing Windows event logs, IIS logs, AD, LogParser2.2, etc.
- Junior Software Engineer, *Optimal Satcom*. Reston, VA. 2012
Wrote front- and back-end C# .NET code for an enterprise satellite-data management system. A fun and challenging feature was integrating Google Earth with satellite signal strength graphs.