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|  | Chris FrisinaProgrammer | Chef | Maker |  |
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| ContactCharlotte, NC (724) 426-5676resume@specialorange.org[Chris Frisina's Resume (specialorange.org)](https://specialorange.org/resume/) | ObjectiveI am an empathic designer and pride myself in making others smile while bettering our communities. I specialize in making intuitive tools to improve highly complex systems for professional and organized communities. I do this with Usability, Programming, and Design with strong influences from my skills in Consulting and Logistics backgrounds. |
| EducationVirginia TechComputer Science: Human Computer Interaction, Masters July 2013 – May 2016University of North Carolina CharlotteFemale Gendered Communication, UndergraduateJuly 2003 – November 2007Skill AreasWeb Development (Front-end)Big DataUI/UXData VisualizationOpen DataPedagogyTime and Method EngineeringHeuristic EvaluationSystems AnalysisParticipatory DesignHuman-Centered DesignLanguagesPythonJavaScriptJavaRubyPrologHaskellFrameworksAngularNodeEmberBackboneRailsDrupal | Experience**Full Stack Engineer • Master Specialists**April 2016 - CurrentMaster Specialists provides data analysis and logistics support for fleet delivery and logistics customers* Medium/Heavy duty diesel mechanic and fleet engineer
* Full Stack Developer
* Design, implement, and iterate features for the entire web platform, across multiple verticals
* Design and automate procedural, regulatory, and cost-saving logistics processes and changes
* Ideate and prepare client guided meetings for support and design
* Test features in code and in action with clients
* Founder and shareholder of an s-corp

**Graduate Research • The Sound of Fractions • Virginia Tech**Jan 2013 – May 2016The Sound of Fractions is an online tool to help students who struggle with fractions to understand the entire system of fractions through music. I designed, developed, and implemented a study, of a full stack application with accompanying curriculum to enable students to tap their own rhythms and have audio processing transform their rhythms into mathematical graphical representations. I also designed and developed a data viewer to allow transparent and cross discipline investigation of the data. **Graduate Research • Virginia Tech**December 2012 – December 2015Research how to help entering undergraduates become more successful by making data meaningful to individual users and developed a custom dashboard for students, teachers, and administration.**Implementation Manager • FedEx Ground**February 2006 – December 2014I helped develop and implement an automated sortation and dispatch system to increase accuracy and productivity of the delivery of packages, the final stage in a the logistics of small package delivery networks. Reduced costs by 5% and then increased accuracy by 4%. Security and Six Sigma improvements savings totaling more than $10M.* Contractor Corporate Liaison : July 2010 - Dec 2014
* Vision Implementation Manager : Feb 2010 - Dec 2011
* Southern Division Quality Initiative Manager : Feb 2009 - Jan 2011
* Senior Service Manager : Jan 2007 - Jan 2009
* Service Manager : April 2006 - Dec 2006
* Package Handler : Mar 2006 - May 2006

**Grocery Manager • Harris Teeter**May 2002 – February 2006Managed grocery departments for several areas stores, eventually designing an improved inventory system. |
|  | AwardsStudent Research Grant, Virginia Tech January 2013Most Improved Service Manager, FedEx June 2009Eagle Scout, Boy Scouts of America February 2003 |
| Libraries & Supporting LanguagesJQuerySQLFirebaseParseRD3CSSHTMLBootstrapMarkdownCertificationsSix SigmaNERCSCADAOSHADOTISOCIP | Volunteer Work**Planning Director • IUPUI Relief Housing**April 2016 – CurrentI work with an incredible team of people to tackle housing for adults recovering from trauma**Social Chair • Virginia Tech Computer Science Grad Council**February 2012I make things more fun. I do this with graphic visualization of food menus, wood crafted games, home cooked meals, and of course smiles (and lots of them :) to every social event.**Committee Chair • Ecumenical Think Tank**February 2012I participated with select community members to develop appropriate potential opportunities to help increase young adult attendance and participation in community small groups, and allocate and distribute $100K to the opportunities.**Team Member • Habitat For Humanity**January 2001 - CurrentStarting with weekend builds, I have become specialized in framing and roofing. I also help supply chains for the Bahamas Habitat, a country often not thought of requiring Habitat's resources, who help serve over 1000 families across the various islands. I also work with disaster relief efforts in the gulf.* Builder
* International Logistics
* Disaster Relief
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| Favorite ToolsSmileMusicSublime TextOmniGraffleAdobe IllustratorExcelGitInterestsOutdoorsGourmet CookingWoodworkingNeon | Publications[**The Sound of Fractions**](https://specialorange.org/thesis) **• Virginia Tech**Published April 24, 2016Teaching fractions to students through music with an online application and accompanying curriculum.[**Knowledge Building and Sharing: A meta-model for Guided Research Learning, and Application**](https://vtechworks.lib.vt.edu/handle/10919/47913) **• VTechWorks**Published May 06, 2014A model for classification and design of security systems incorporating up to date methods.[**RaBit EscAPE: a board game for computational thinking**](https://dl.acm.org/doi/10.1145/2593968.2610489) **• Interaction Design and Children**Published Dec 31, 2013Innovative child board game to teach computational thinking skills. |
|  | ReferencesMichael Stewarttgm@vt.eduMelissa Avery-Wieraverymd@irrsinn.net |