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|  | Chris Frisina  Programmer | Chef | Maker | | |  |
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| Contact Charlotte, NC  (724) 426-5676  [resume@specialorange.org](mailto:resume@specialorange.org)  [Chris Frisina's Resume (specialorange.org)](https://specialorange.org/resume/) | | Objective I 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. | | |
| Education Virginia Tech  Computer Science: Human Computer Interaction, Masters July 2013 – May 2016 University of North Carolina CharlotteFemale Gendered Communication, Undergraduate July 2003 – November 2007 Skill Areas Web Development (Front-end)  Big Data  UI/UX  Data Visualization  Open Data  Pedagogy  Time and Method Engineering  Heuristic Evaluation  Systems Analysis  Participatory Design  Human-Centered Design Languages Python  JavaScript  Java  Ruby  Prolog  Haskell Frameworks Angular  Node  Ember  Backbone  Rails  Drupal | | Experience **Full Stack Engineer • Master Specialists**  April 2016 - Current  Master 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 2016  The 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 2015  Research 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 2014  I 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 2006  Managed grocery departments for several areas stores, eventually designing an improved inventory system. | | |
|  | | Awards Student Research Grant, Virginia Tech January 2013  Most Improved Service Manager, FedEx June 2009  Eagle Scout, Boy Scouts of America February 2003 | | |
| Libraries & Supporting Languages JQuery  SQL  Firebase  Parse  R  D3  CSS  HTML  Bootstrap  Markdown Certifications Six Sigma  NERC  SCADA  OSHA  DOT  ISO  CIP | | Volunteer Work **Planning Director • IUPUI Relief Housing**  April 2016 – Current  I work with an incredible team of people to tackle housing for adults recovering from trauma  **Social Chair • Virginia Tech Computer Science Grad Council**  February 2012  I 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 2012  I 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 - Current  Starting 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 | | |
| Favorite Tools Smile  Music  Sublime Text  OmniGraffle  Adobe Illustrator  Excel  Git Interests Outdoors  Gourmet Cooking  Woodworking  Neon | | Publications [**The Sound of Fractions**](https://specialorange.org/thesis) **• Virginia Tech**  Published April 24, 2016  Teaching 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, 2014  A 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, 2013  Innovative child board game to teach computational thinking skills. | | |
|  | | References Michael Stewart  [tgm@vt.edu](mailto:tgm@vt.edu)  Melissa Avery-Wier  [averymd@irrsinn.net](mailto:averymd@irrsinn.net?Subject=Chris%20Frisina%20Resume%20Reference) | | |