



Chris Frisina

Software Developer | Chef | Maker

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Objective

I am a dedicated worker with strong empathic design skills and pride myself in making others smile while bettering my community. I am look for opportunities to work on the front-end of web applications that help professional and organized communities enhance their skills and services offered. I do this with Usability, Programming, and Design with strong influences from my skills in Consulting and Logistics backgrounds.

Education

M.S., Computer Science (focus: Human-Computer Interaction), 2016

Virginia Tech: Blacksburg, VA, USA

B.A., Communication (focus: Female Gendered Communication), 2007

University of North Carolina at Charlotte: Charlotte, NC, USA

Work Experience

Graduate Researcher - The Sound of Fractions, 2013-2016

Virginia Tech

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 Researcher – Student Success Dashboard, 2012-2015

Virginia Tech

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, 2006-2014

FedEx Ground

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 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, 2002-2006

Harris Teeter

Managed grocery departments for several areas stores, eventually designing an improved inventory system.

Skills	Areas: <ul style="list-style-type: none"> • Web Development (front end, HTML, CSS, and JavaScript) • User Experience • Data Visualization • Open Data • Pedagogy • Time and Method Engineering • Heuristic Evaluation • Participatory Design • Human Centered Design 	Languages <ul style="list-style-type: none"> • JavaScript (including familiarity with several popular runtimes, frameworks, and libraries such as Angular, Node, Ember, Backbone, D3, jQuery, Firebase, and Bootstrap) • Java • Ruby • Python
	Favorite Tools: Smile, Music, SublimeText, Git, OmniGraffle, Illustrator, & Excel	
Publications	The Sound of Fractions, 2016 Virginia Tech. 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, 2014 VTechWorks. A model for classification and design of security systems incorporating up to date methods. RaBit EscAPE: a board game for computational thinking, 2013 Interaction Design and Children. Innovative child board game to teach computational thinking skills.	
Volunteer Work	Social Chair, Virginia Tech Computer Science Grad Council, 2012-2016 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, 2012 - present 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, 2001 - present 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. <ul style="list-style-type: none"> • Builder • International Logistics • Disaster Relief 	
Interests	Outdoors: Camping, Hiking, Whitewater Kayaking, Mountain Biking, Snowboarding Cooking: Large Scale (100+), Haute cuisine, Fundraisers, Cuisine Blends Woodworking: Carpentry, Turning, Rare woods, Artistic Neon: Custom Artistic signs, Integrated Artwork, Scientific displays	
References	Michael Stewart (tgm@vt.edu)	Melissa Avery (averymd@irrsinn.net)