

Kristen Webster

Front-End Developer & Designer



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Education

B.S. Computer Science & Systems

University of Washington, 2014
Tacoma, WA
GPA 3.9

M.Ed. Community Counseling

College of William and Mary, 2010
Williamsburg, VA
GPA 3.93

B.A. English Literature

University of Virginia, 2007
Charlottesville, VA

Skills

Development

HTML & CSS
JavaScript
jQuery
Java
Ajax
SASS
Bootstrap
ASP.NET MVC
Agile Development
Responsive Web Design

Design

Usability testing
Design patterns
Prototypes & mockups
Competitive analysis
Contextual inquiries

Other Achievements

- Received Computer Science Award at Highline Community College
- Champion concert pianist
- Taught many people ballroom dancing
- Wrote 2.5 novels...and counting
- International travel experience (visited 50 countries over the last decade)

About

- Diverse background in computer science, writing, & psychology
- Developed and designed multiple user interfaces for a non-profit
- Created and managed my own business while attending school

Experience

Founder and CEO of BookSage

Jan 2011-Present

Seattle, WA

Designed and started my own book-scanning business from the ground up. Scanned over 50,000 books in five years.

Computer Science Technologies

Jan 2004-Present

Freelance Researcher and Editor – Seattle, WA

Conduct patent and scientific research and author due diligence reports for law firms in major intellectual property litigations.

Metropolitan Development Council

Feb 2015 – March 2016

Front-End Developer/UX Design Intern – Tacoma, WA

Designed and developed a new web app for a nonprofit. Collaborated with a team of other interns to produce a user-friendly app.

- Conducted contextual inquiries
- Created and coded multiple prototypes with different layouts
- Performed iterative usability testing
- HTML, CSS, Bootstrap, JavaScript, jQuery, Ajax, ASP.NET MVC
- Single-handedly designed UI using design patterns
- Coded the vast majority of the UI

Development Projects

Algorithmic Art

Fall 2016

Independent Project

Developed a program that produces algorithmic art. JavaScript, HTML Canvas, various algorithms such as Traveling Salesman Problem and Minimum Spanning Tree.

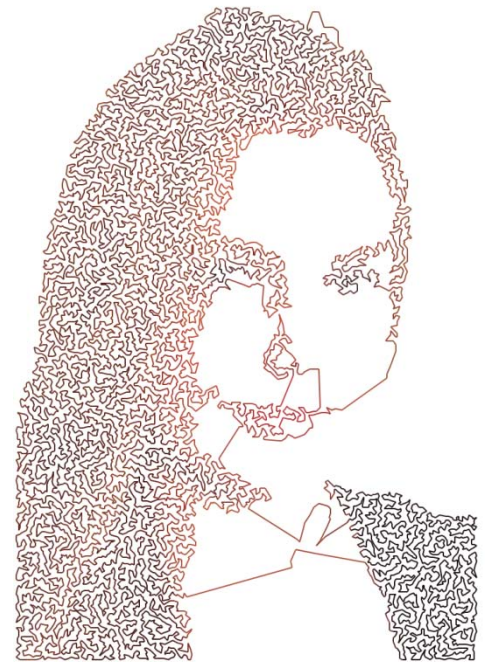
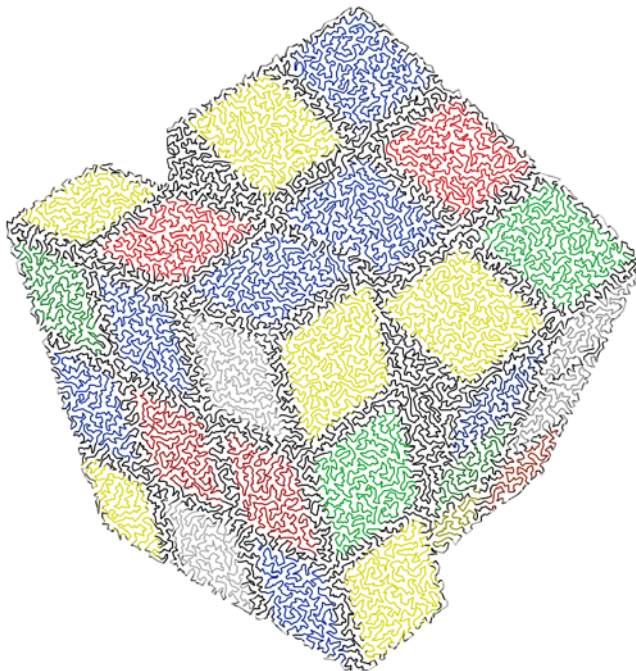
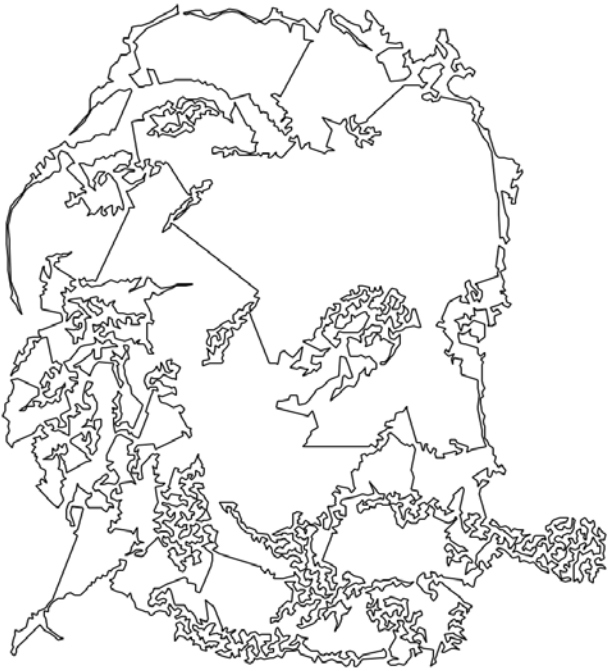
IndieFilms

Fall 2014

School project – Tacoma, WA

Created and coded a software system for film directors. Java, SQL, Entity-Relationship diagrams. Utilized design skills such as competitive analysis, system requirements, and mockups.

Algorithmic Art by Kristen Webster



These images are examples of one of my recent projects, Algorithmic Art. I created a program that takes arbitrary images and transforms them into instances of the Traveling Salesperson Problem. Each image becomes a single connected non-self-intersecting path created by my program. This project exemplifies my love of creative applications that combine design and programming skills. For more details please see <http://www.kristenwebster.net/>