



Intro to HTML and CSS

September 14, 2019

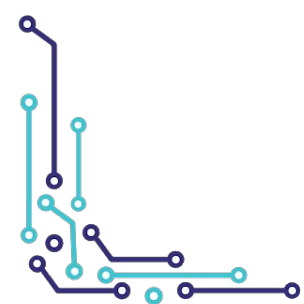
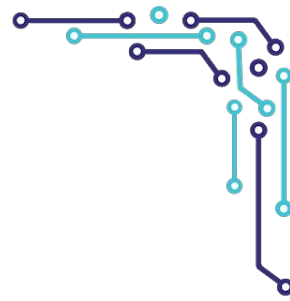
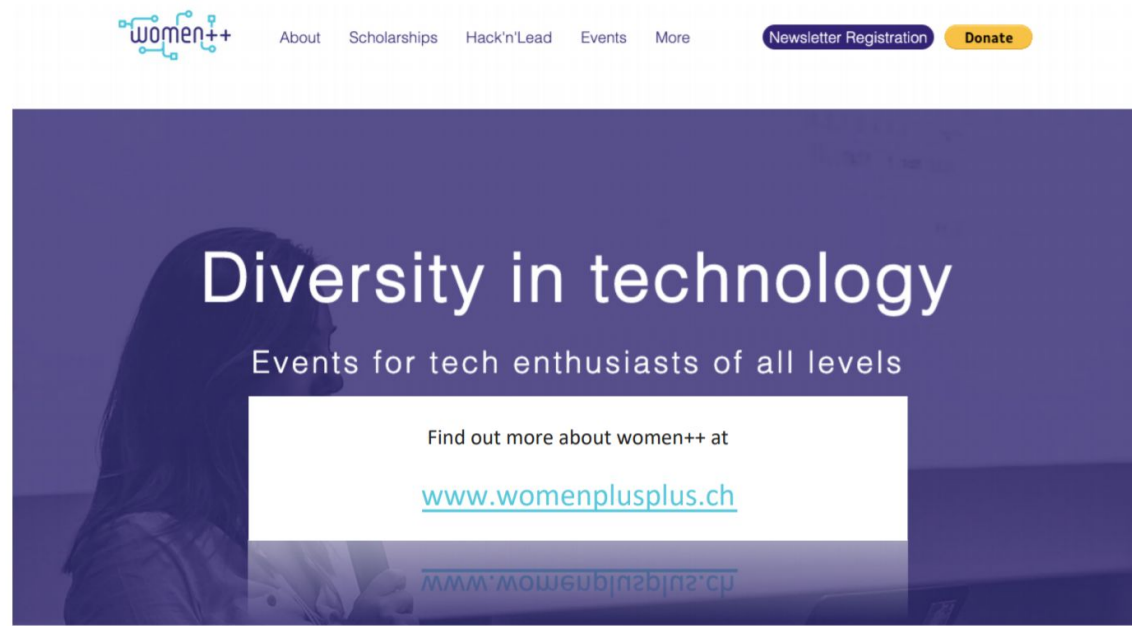
Agenda

— — —

- Introduction
- About Women++
- About Propulsion Academy
- Intro to HTML
- Livecoding
- Break
- Intro to CSS
- Livecoding together
- Break
- Individual work

women++

We are a Swiss non-profit association which is on a mission to support women in building and leading their careers in programming-related fields



Team



Aleksandra Sokolowska, PhD
Computational Scientist
Founder Women++



Diana Herrle
Marketing & Digital
Communications
expert



Mathias Keller
Project Manager
Hack'n'Lead
Recruiting Expert /
Software Consultant



Marta D'Angelo, PhD
Senior Data Scientist



Marina Petrova, PhD candidate
Data Scientist &
Economist



Luisa Contreras
Project Manager
Hack'n'Lead



Agustina La Greca
Deep Learning
Engineer



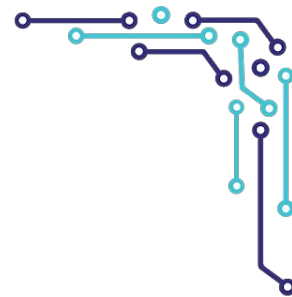
Patricia Egger
Cyber Risk Senior
Consultant



Mäelle Baud
Digital Marketing
Expert



Chris Gwilliams, PhD
Technical Architect



Hack'n'Lead



84%

WOMEN PARTICIPANTS - 84% of Hack'n'Lead participants in 2018 were women



MENTORS - sponsors can maximize participant interaction by providing mentors to guide projects & learning



CHILDCARE - Childcare + Coding for Kids on-site. Changing generations.



SAFE SPACE - no overnight coding, healthy food on site and prep-events throughout the year ensure participants have a safe space and feel confident to contribute

GET CHALLENGED!

TEAM UP



HACK



PITCH IT



LEAD ON



Our workshop program <https://www.womenplusplus.ch/prep>

Workshop	Date	Expert	Description
Survival Kit for your first Hackathon	25.08.2019	Chris Gwilliams	<ol style="list-style-type: none">1. Panel of former participants2. Technical part with Chris Gwilliams<ul style="list-style-type: none">- Opening the command prompt (Linux and Windows)- Basic commands and directory navigation- What Git is, how to use it and creating a basic website
Statistical methods for data analysis - machine learning	31.08.2019	Pietro Marino, Pavlin Mavriodiev and Badru Stanicki	<ol style="list-style-type: none">1. Overview of most common algorithms2. Practice on feature selection & clustering3. Practice on forecast
Web Development: intro to HTML and CSS	14.09.2019	Tatiana Panferova, Evgenia Tokareva	<ol style="list-style-type: none">1. Introduction to HTML2. Basics of CSS3. Exercises
Introduction to GraphQL Workshop - back-end	17.09.2019	Marion Schleifer	<ol style="list-style-type: none">1. Introduction into GraphQL2. sample project with Hasura's GraphQL API
Build Solid Web Apps using Angular and GraphQL	24.09.2019	Tomas Trajan and Gion Kunz	Creating a front-end web application using Angular
Courage to LEADership	22.10.2019	Gabriela Müller Mendoza	hands-on examples and exercises to help you achieve and master your next career milestones

Propulsion Academy

Full and part-time Full-Stack
Development, Data Science, Big
Data Engineering bootcamps



Hands-on and project-oriented
approach



Curricula representing actual
industry needs



Incubator-like atmosphere



Core programs, full-time:



Full-Stack Development

Duration: 12 weeks, full-time

Objective: build web-based applications, front and back-end ... job!

Technologies/concepts:



HTML



CSS



SQL



N*SQL



JavaScript



React JS



Docker



Python



Django



Data Science

Duration: 12 weeks, full-time

Objective: learn techniques and technologies to process real-world data ... job!

Technologies/concepts:



Machine Learning



NLP



Python



Deep Learning



Visualization



R

Next classes



Full-Stack

Nov. 11 – Feb. 14, 2020

Registration open



Data Science

Nov. 11 – Feb. 14, 2020

Registration open


DATAOPS

Nov. 11 – Dec. 20, 2019

Registration open

women++ scholarships

<https://www.womenplusplus.ch/scholarships>


[About](#)[Scholarships](#)[Hack'n'Lead](#)[Events](#)[More](#)[Newsletter Registration](#)[Donate](#)

women++ scholarship at a coding bootcamp

Ever considered a career in software development or data science but thought it was not possible? We encourage you to consider joining the 3 months bootcamps offered by [Propulsion Academy](#), a Zurich-based startup with a track record of educating beginners and turning them into the techies highly desired by many Swiss companies.

No matter the coding experience, they have created a learning environment to help get you there from start to finish. You'll feel right at home at Propulsion – diversity is key with students coming from all types of backgrounds and industries. Feel free to reach out to them [directly](#). They will be more than happy to answer your questions or organize a campus visit for you.

And there's even better news: all female applicants coming via women++ are eligible to qualify for a 50% scholarship offered once per batch.

 **{Propulsion}**

How to apply

On the application form, write in the "Your goals" section why you would be the best candidate for the scholarship for both professional and financial reasons (in as much detail as possible). Make sure to also use the referral code **WOMEN++**. Scholarship requests must be received maximum two months before each program starts. Winners announced one week after scholarship application period closes.

As a recipient of the women++ scholarship, you will join the group of role models we seek - those who prove one can change careers no matter the background or age. We will publish your success story on our channels.

[Apply here](#)

About Us



Evgeniya Tokareva

<https://www.linkedin.com/in/evtokareva/>



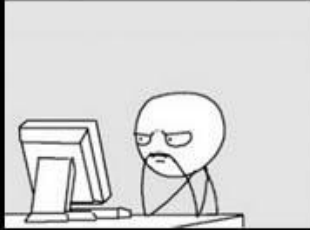
Tatiana Panferova

<https://www.linkedin.com/in/tatiana-panferova/>

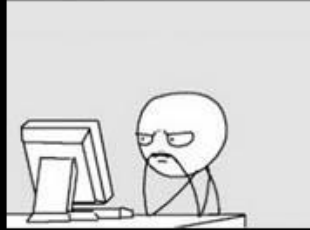
<https://github.com/TatianaPan>

Before we start...

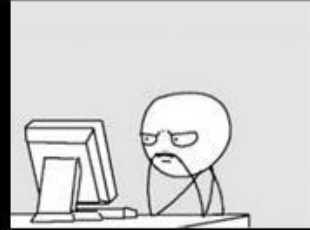
Web Development



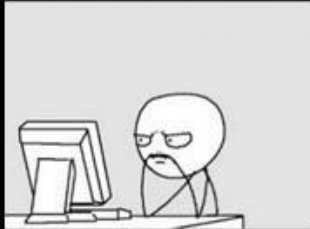
what my family thinks I do



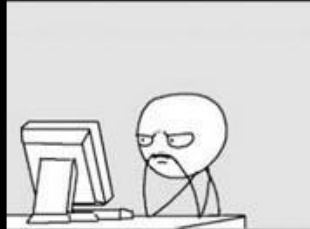
what my friends think I do



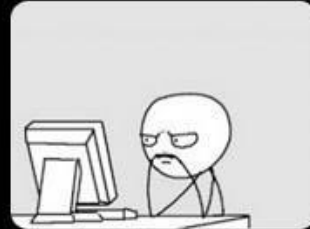
what society thinks I do



what clients think I do

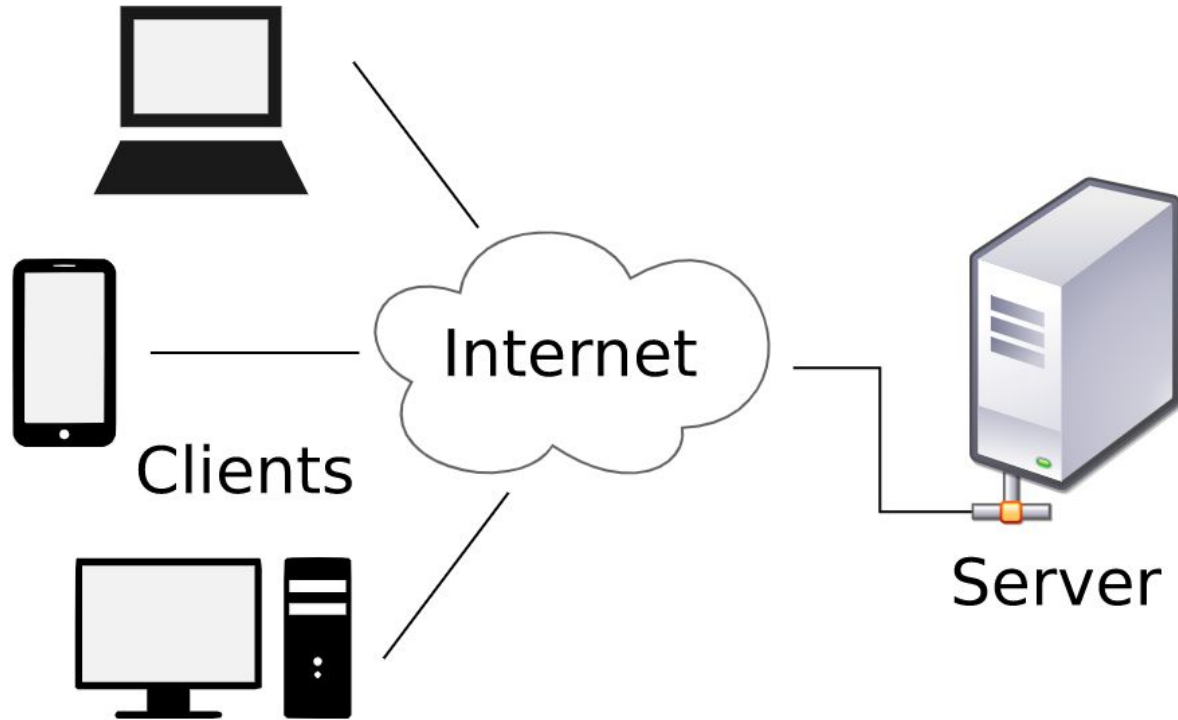


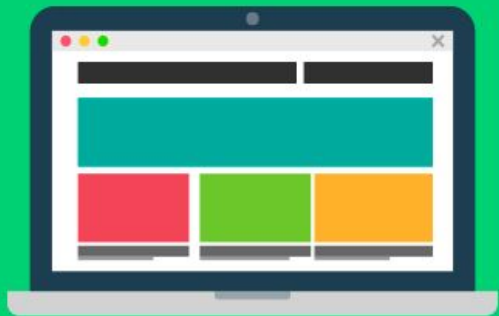
what designers think I do



what I actually do

Client-server model





FRONTEND

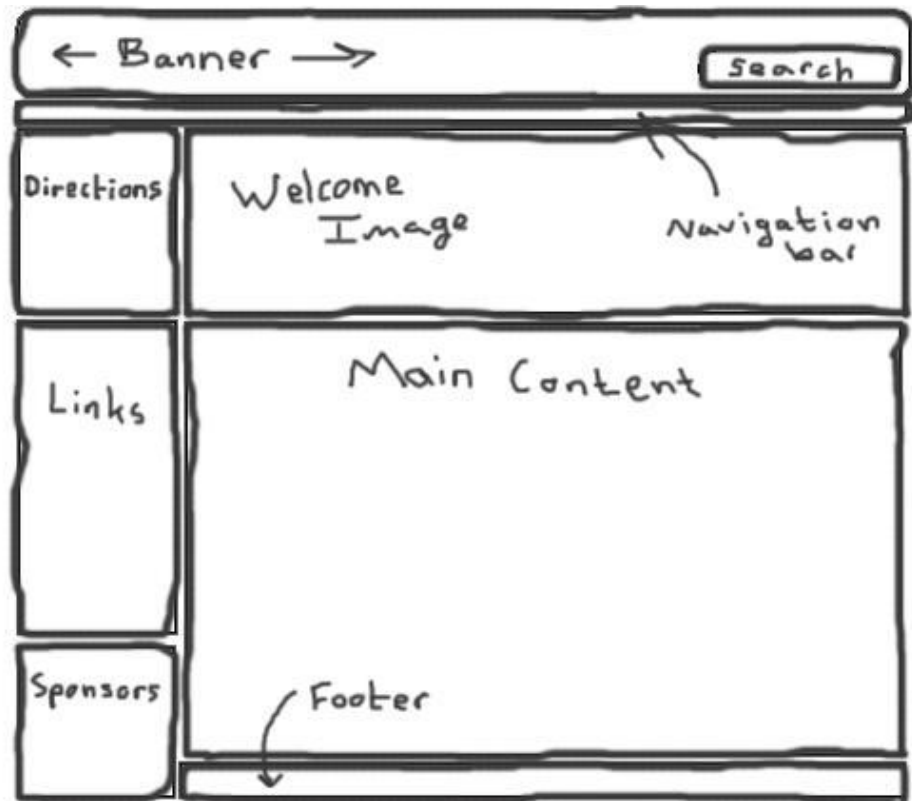


BACKEND

Frontend



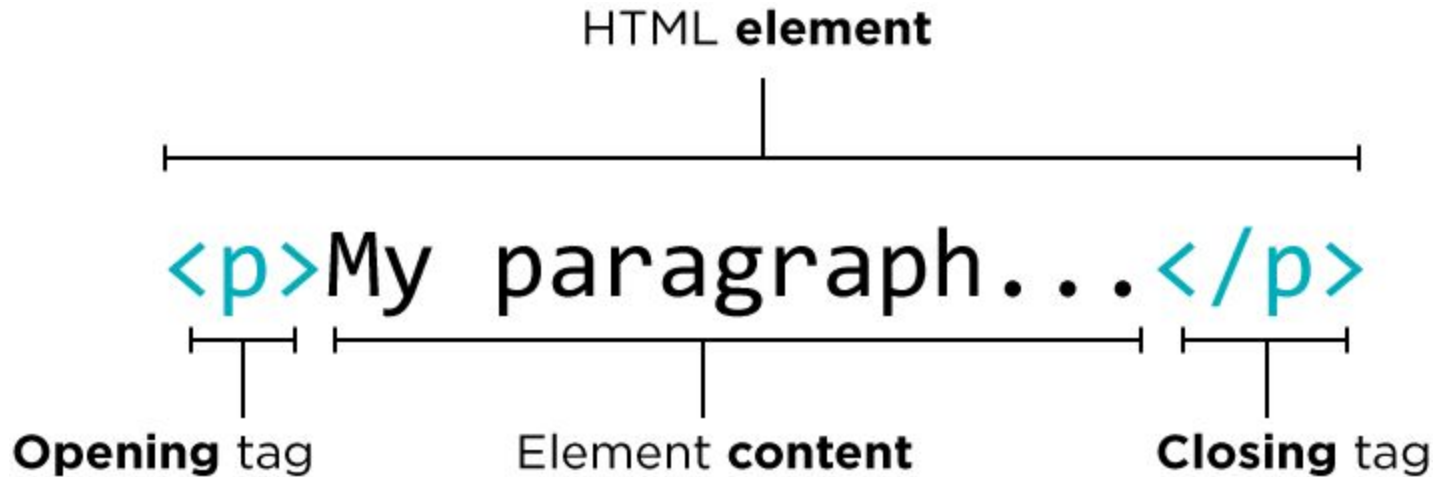
Create a draft



What is HTML?

HyperText Markup Language

HTML Element



Main HTML Tags

List of all tags:

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

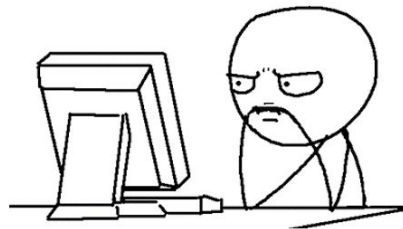


```
<!DOCTYPE HTML PUBLIC "-//W3C//  
<html>  
<head>  
  <title>Untitled Page</title>  
  <meta http-equiv="content-type"  
  <meta http-equiv="content-lan  
</head>  
<body onLoad="onLoadFunction"  
  <div class="outerDiv" id=  
  <div class="contentDiv"  
  <div type="text/java  
    script type="text/javascript"  
    onGetSequence  
    = [];  
  </div>  
</body>  
</html>
```

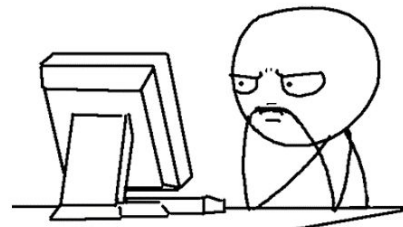
Time to code!

PROGRAMMERS WHILE CODING

It doesn't work...Why?



It works...Why?





You have just created your first
static web site!

Useful Links

— — —

- MDN: <https://developer.mozilla.org/en-US/docs/Learn>
- W3Schools: <https://www.w3schools.com/>
- Codecademy: <https://www.codecademy.com/catalog/subject/web-development>
- freeCodeCamp: <https://learn.freecodecamp.org>
- Templates: <https://www.wix.com/>
- Frameworks: <https://materializecss.com/>, <https://bulma.io/>

Your turn!