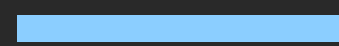# Web Development

by Robert K. Pauls

Who I am

A little bit about myself.

About me

Your subtitle goes here

Robert K. Pauls

Co-Founder & Managing Partner

ARC HEX
TECHNOLOGY

I'm a web developer and game programmer, pursuing to work an challenging and exciting projects. I'm the Co-Founder of Arc Hex Technology, a company for web-based SaaS-Products, and working towards my own small independent game studio called Hephaestus Development.

Experience

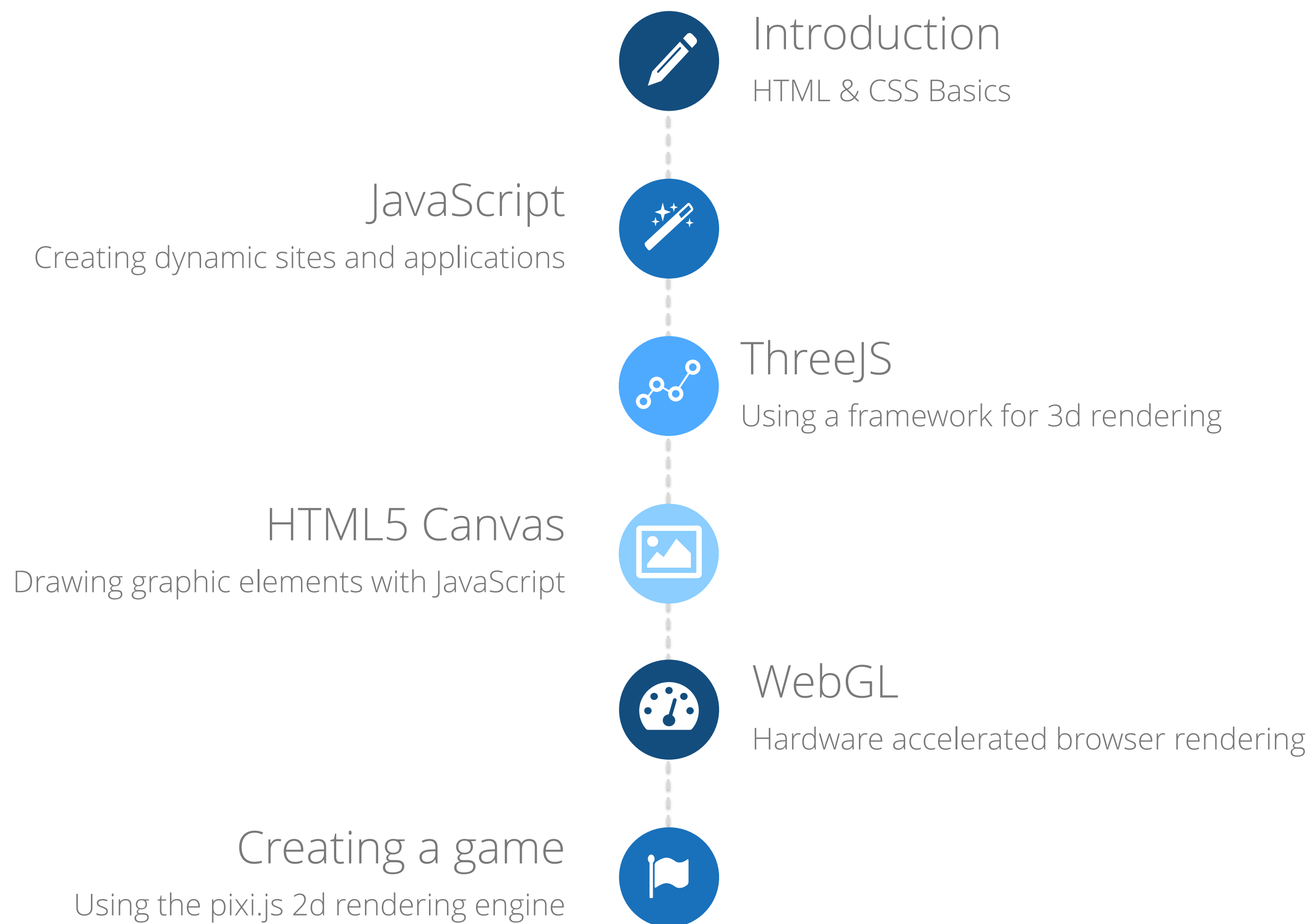Co-Founder Arc Hex Technology *(2013 – today)*

Lecturer Junior Uni Wuppertal gGmbH *(2010 – today)*

Conference Associate GDC Europe *(2013 & 2014)*

Administrator Junior Uni Wuppertal gGmbH *(2012-2014)*

A short course overview

Introduction
HTML & CSS Basics

JavaScript
Creating dynamic sites and applications

ThreeJS
Using a framework for 3d rendering

HTML5 Canvas
Drawing graphic elements with JavaScript

WebGL
Hardware accelerated browser rendering

Creating a game
Using the pixi.js 2d rendering engine

www.robertkpauls.com

Introduction
Getting to know HTML & CSS

A short history

HTML, or HyperText Markup Language, is the Web's core language for creating documents and applications for everyone to use, anywhere. It was initially released in 1993 and has evolved into HTML5 (2014) since.[1]

HTML5 adds many new syntactic features and aims to support the latest multimedia while keeping it eaysily readable and consistent.[2]
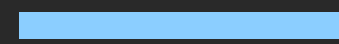
CSS, or Cascading Style Sheets, is a simple mechanism for adding visual styling and formatting (e.g. fonts, colors, spacing, positioning, …) to Web documents.[3]

HTML
HyperText Markup Language

Exercise 1

Using HTML for a basic (ugly) website.

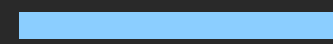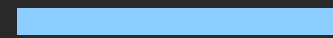# CSS
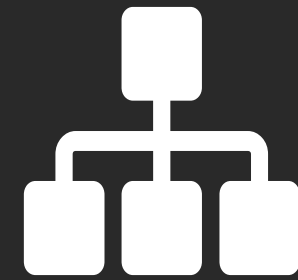Cascading Style Sheets

Exercise 2

A little color, a litte form...

Some useful resources

Tutorials, Assets and more

W3Schools

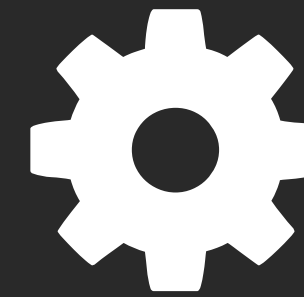www.w3schools.com

Code Academy

www.codecademy.com/tracks/web

10 Front-End Framework

www.sitepoint.com/top-10-front-end-development-frameworks/

50 Tools & Resources

www.tutorialzine.com/2014/09/50-awesome-tools-and-resources-for-web-developers/

Coffee Break
Take your time and relax!

Exercise 3

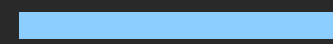Recreating the Google Search Page

www.robertkpauls.com

✉
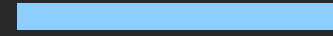
Get in touch
Questions? Need help?

Contact

r.pauls@robertkpauls.com
www.robertkpauls.com

Sources

The obligatory list of external sources

CONTENT
[1] http://www.w3.org/html/ *(Retrieved on 9. Aug 2015)*
[2] https://en.wikipedia.org/wiki/HTML5 *(Retrieved on 9. Aug 2015)*
[3] http://www.w3.org/Style/CSS/ *(Retrieved on 9. Aug 2015)*

IMAGES
SAE Institute Logo - http://www.sae.edu/ *(Retrieved on 9. Aug 2015)*
HTML5 Badge - http://www.w3.org/html/logo/ *(Retrieved on 9. Aug 2015)*
CSS3 Badge - http://ohdoylerules.com/web/css3-badge-logo-in-svg *(Retrieved on 9. Aug 2015)*