<!DOCTYPE HTML>  
<html>  
 <head>  
 <title>Eran Bamani Personal Website</title>  
 <meta http-equiv="content-type" content="text/html; charset=utf-8" />  
 <meta name="description" content="" />  
 <meta name="keywords" content="" />  
 <!--[if lte IE 8]><script src="css/ie/html5shiv.js"></script><![endif]-->  
 <script src="js/jquery.min.js"></script>  
 <script src="js/jquery.scrollzer.min.js"></script>  
 <script src="js/jquery.scrolly.min.js"></script>  
 <script src="js/skel.min.js"></script>  
 <script src="js/skel-layers.min.js"></script>  
 <script src="js/init.js"></script>  
 <script src="js/carousel.js"></script>  
 <noscript>  
 <link rel="stylesheet" href="css/carousel.css" />  
 <link rel="stylesheet" href="css/skel.css" />  
 <link rel="stylesheet" href="css/style.css" />  
 <!-- <link rel="stylesheet" href="css/carousel.css"> -->  
 <link rel="stylesheet" href="css/style-xlarge.css" />  
 </noscript>  
 <style type="text/css">  
 .carousel {  
 -webkit-transform: translate3d(0,0,0);  
 background: rgba(0,0,0,0.85);  
 position: fixed;  
 right: 0;  
 bottom: 0;  
 min-width: 100%;  
 min-height: 100%;  
 width: auto;  
 height: auto;  
 display: none;  
 z-index: 1;  
 }  
  
 .img-center-carousel {  
 position: absolute;  
 top: 0;  
 left: 0;  
 right: 0;  
 bottom: 0;  
 padding: 0;  
 margin: auto;  
 width: 60%;  
 height: auto;  
 }  
  
 .carousel-close {  
 position: absolute;  
 top: 25px;  
 right: 100px;  
 padding: 0;  
 margin: auto;  
 width: 50px;  
 height: auto;  
 }  
 .research {  
 margin-bottom: 30px;  
 }  
 .research h4{  
 float: left;  
 }  
 .research div{  
 text-align: end;  
 font-size:0.9em;  
 }  
 .thumbnail {  
 width: 30%;  
 max-height: 200px;  
 float: left;  
 }  
 .thumbnail-right {  
 margin-left: 35%;  
 }  
 #exp li {  
 margin-bottom: 50px;  
 }  
 .school-logo {  
 width: 10%;  
 float: left;  
 }  
 .school-text {  
 margin-left: 20%;  
 width:60%;  
 }  
 a {  
 color: black;  
 }  
  
 }  
 b {  
 color: blue;  
 }  
  
 </style>  
 <!--[if lte IE 8]><link rel="stylesheet" href="css/ie/v8.css" /><![endif]-->  
 </head>  
 <body>  
 <div id="wrapper">  
  
 <!-- Header -->  
 <section id="header" class="skel-layers-fixed">  
 <header>  
 <span class="image avatar"><img src="images/Eran\_avatar.png" alt="" /></span>  
 <h1 id="logo"><a href="#">Eran Bamani</a></h1>  
 <a><a href="mailto:eranbamani@gmail.com">eranbamani at gmail dot com</a></a>  
 <a><a href = "Resume.pdf">curriculum vitae</a></a></a>  
 </header>  
 <nav id="nav">  
 <ul>  
 <li><a href="#one" class="active">About Me</a></li>  
 <li><a href="#two">Research</a><li>  
 <li><a href="#three">Projects</a></li>  
 <li><a href="#four">Education</a></li>  
 <li><a href="#five">Awards</a></li>  
 <li><a href="#six">Skills</a></li>  
  
 </ul>  
 </nav>  
 <footer>  
 <ul class="icons">  
 <!--<li><a href="#" class="icon fa-facebook"><span class="label">Facebook</span></a></li>  
 <li><a href="#" class="icon fa-instagram"><span class="label">Instagram</span></a></li>-->  
 <li><a href="https://www.linkedin.com/in/eran-bamani-446503124/" class="icon fa-linkedin"><span class="label">Github</span></a></li>  
 <li><a href="mailto:eranbamani@gmail.com" class="icon fa-envelope"><span class="label">Email eranbamani@gmail.com</span></a></li>  
 <li><a href="https://github.com/eranbamani" class="icon fa-github"><span class="label">Github</span></a></li>  
 </ul>  
 </footer>  
 </section>  
  
 <!-- Main -->  
 <div id="main">  
  
 <!-- One -->  
 <section id="one">  
 <div class="container">  
 <header class="major">  
 <h3>About Me</h3>  
 </header>  
 <p> I am PhD student in Deep Learning and Robotics at <a href="https://english.tau.ac.il/"> Tel-Aviv University</a>, working on Deep Learning, Robotics, Human-Robot Collaboration and Intention-Recognition. I work in the Robotics Lab under the supervision of Dr. <a href="https://english.tau.ac.il/profile/sintov1/">Avishai Sintov</a>. Before entering TAU, I worked with Prof. <a href="https://www.cs.huji.ac.il/~werman/">Michael Werman</a> at <a href="https://en.huji.ac.il/en/"> The Hebrew University of Jerusalem</a> on Medical imaging processing, Computer Vision and Object decomposition by Deep neural networks. </p>  
 <p> I received my B.Sc. and M.Sc. both in Electronic Engineering from <a href="https://www.ariel.ac.il/wp/en/">Ariel University</a> under the supervision of Prof. <a href="ariel.ac.il/wp/yosip/">Yosef Pinhasi</a>. I worked at Homeland Security Laboratory on Ministry of Defense (MAFAT) research. My research field was Image and signal processing and estimation techniques. </p>  
 <p> My research interests include: deep learning, robotics, machine vision, human–robot interaction (HRI), human-robot collaboration (HRC) and computer vision. </p>  
 </div>  
 </section>  
  
 <!-- Two -->  
 <section id="two">  
 <div class="container">  
 <h3>Research</h3>  
 <div class="features">  
 <article>  
 <div>  
 <div class="research">  
 <h4> <text style="color:Navy">Scaled Modeling and Measurement for Studying Radio Wave Propagation in Tunnels</text> </h4>  
 </div>  
 <img class="thumbnail" src="images/Scaled.png" data-id="Scaled-carousel"></img>  
 <div id="LPS-carousel" class="carousel">  
 <img class="img-center-carousel" src="images/close-transparent.png" alt="">  
 <a href="javascript:void(0)"><img src="images/close-transparent.png" alt="" data-carousel-id="Scaled-carousel" class="carousel-close"></a>  
 </div>  
 <ul class="thumbnail-right">  
 <li> This work is based on the ray-tracing approach, which is useful for structures where the dimensions are orders of magnitude larger than the transmission wavelength. Using image theory, we utilized a multi-ray model to reveal non-dimensional parameters, enabling measurements in down-scaled experiments. </li>  
 <li> Jacob Gerasimov, Nezah Balal, <text style="color:black">Eran Bamani</text>, Gad A. Pinhasi and Yosef Pinhasi </li>  
 <li> Paper accepted at MDPI 2020,Antennas and Propagation Aspects for Emerging Wireless Communication Technologies. <a href="Scaled Modeling and Measurement for Studying Radio Wave Propagation in Tunnels\_ORCID\_2020.pdf">Scaled Modeling and Measurement for Studying Radio Wave Propagation in Tunnels\_ORCID\_2020</a></li>.  
 </ul>  
 </div>  
 </article>  
  
 <article>  
 <div>  
 <div class="research">  
 <h4> <text style="color:Navy">Study Of Human Body Effect On Wireless Indoor Communication</text> </h4>  
 <br>  
 </div>  
 <img class="thumbnail" src="images/Study.png" data-id="Study-carousel"></img>  
 <div id="Study-carousel" class="carousel">  
 <img class="img-center-carousel" src="images/Study.png" alt="">  
   
 <a href="javascript:void(0)"><img src="images/close-transparent.png" alt="" data-carousel-id="Study-carousel" class="carousel-close"></a>  
 </div>  
 <ul class="thumbnail-right">  
 <li> The present work presents signal strength measurements, analysis, and prediction models for indoors, outdoors and near human body scenarios. The measurements were conducted by using a continuous wave transmitter and receiver antenna pair at 0.5GHz.</li>  
 <li> <text style="color:black">Eran Bamani</text> and Gad A. Pinhasi. </li>  
 <li> Israeli - Russian Bi-National Workshop 2019, <a href="Study\_Of\_Human\_Body\_Effect\_On\_Wireless\_Indoor\_Communication\_ws2019cd.pdf">STUDY OF HUMAN BODY EFFECT ON WIRELESS INDOOR COMMUNICATION</a></li>.  
 </ul>  
 </div>  
 </article>  
 </div>  
 </div>  
 </section>  
  
  
  
 <!-- three -->  
   
   
 <section id="three">  
 <div class="container">  
 <h3>Projects</h3>  
 <font size="-0.5">  
 <ul>  
 <li> Dron Detection <br />  
 <a href="https://github.com/eranbamani/DronDetection\_ML\_ALGO/">DronDetection\_ML</a>, 2018. </li>  
 <li> Face Detection and Recognition <br />  
 <a href="https://github.com/eranbamani/Face-detection-and-recognition-with-ML/">Face detection and recognition with ML</a>, 2017. </li>  
 <li> Letters frequency with Monte Carlo and Huffman code <br />  
 <a href="https://github.com/eranbamani/Letters-frequency-with-Monte-Carlo-and-Huffman-code/">Letters frequency</a>, 2017. </li>  
 <li> Skin Detection With a Support Vector Machine (SVM) <br />  
 <a href="https://github.com/eranbamani/Skin-Detection-with-SVM-from-Scratch/">Skin Detection with SVM</a>, 2016. </li>  
 </ul>  
 </font>  
 </div>  
 </section>  
  
  
 <!-- Four -->  
 <section id="four">  
 <div class="container">  
 <h3>Education Background</h3>  
 <ul id="exp" style="list-style:none;">  
 <li> <img class="school-logo" src="schools/Tel-Aviv.png"><div class="school-text">2021 - Present, Tel-Aviv University, <br />PhD Student in Deep Learning and Robotics, ISF's Fellow </div></li>  
 <li> <img class="school-logo" src="schools/Hebrew.png"><div class="school-text">2019 - 2020, The Hebrew University of Jerusalem, <br />PhD Student in Deep Learning and Computer Vision </div></li> <br>  
 <br><li> <img class="school-logo" src="schools/Ariel.jpg"><div class="school-text">2013 - 2019, Ariel University, <br />B.Sc. and M.Sc. degree in Electronic Engineering, GPA 92/100 </div></li>  
 </ul>  
 </div>  
 </section>  
  
 <section id="five">  
 <div class="container">  
 <h3>Awards</h3>  
 <ul>  
 <li><text style="color:black">Ministry of Defense (MAFAT) prize</text>, 2017, 2018 <br />  
 <li><text style="color:black">Dean's Fellowship</text>, 2014, 2015 <br />  
 </ul>  
 </div>  
 </section>  
  
 <!-- Five -->  
 <section id="six">  
 <div class="container">  
 <h3>Skills</h3>  
 <ul class="feature-icons">  
 <li class="fa-code">Deep learning frameworks: Pytorch, TensorFlow, Keras and Theano</li>  
 <li class="fa-code">APIs and Libraries: PyCharm, Spyder, NVidia CUDA, OpenGL, OpenCV</li>  
 <li class="fa-book">Programming languages: Python, C/C++, Java and MATLAB</li>  
 <li class="fa-bolt">Experienced with developing new machine learning techniques</li>  
 <li class="fa-coffee">Medical CAD: 3D-Slicer and RadiAnt</li>  
 <li class="fa-cubes">Robotics: ROS and RVW</li>  
 </ul>  
 </div>  
 </section>  
  
 <!-- Footer -->  
 <section id="footer">  
 <div class="container">  
 <ul class="copyright">  
 <li>&copy; Eran Bamani. All rights reserved.</li>  
 </ul>  
 </div>  
 </section>  
   
 </div>  
 </body>  
</html>