Paul F. Lammertsma

CONTACT INFORMATION	Torenlaan 8A 3701 VJ Zeist The Netherlands	*Cell:* *E-mail:*	+31 (0)614462953 pflammertsma@gmail.com

CURRENT EMPLOYMENT
Chief Technology Officer & Senior Engineering Lead
Pixplicity B.V.

CITIZENSHIP
USA & Netherlands

DRIVER'S LICENSE
EU type AM & B

PROFESSIONAL EXPERIENCE

Pixplicity, Utrecht, The Netherlands & New York City, NY   **2010 to present**

Co-founder & Chief Technology Officer

- Creative tech agency, Dutch private limited
- Role:
    * Engineering lead
    * Technical innovation & R&D
    * Client acquisition & stakeholder management
    * Product ownership role in agile
- Development of technological solutions for companies including *Nixon, AGIS Zorgverzekeringen, Daimler AG, Consumentenbond, Parkmobile Group* and *Telegraaf Media Group*
    * Mobile development in Android SDK, NDK & AOSP using Android Studio or IntelliJ platform; Cordova
    * Front-end development in Angular, Polymer, ECMAScript (ES9)
    * Google Cloud Platform: App Engine, Cloud Functions/Storage/SQL
    * Firebase: Database, Auth, Storage, Functions
    * Machine learning: TensorFlow
    * IBM Watson NLU, STT, TTS, API Connect
    * Hardware design and assembly including PCB design, assembly, firmware
- Speaker at many internationally renown mobile conferences
- Led workshops and trainings for public speaking and technical training
- Agile development with the scrum methodology

Indie dev of Cryptogram   **2017 to present**

Independent developer

- Popular Android game with over 700,000 installs and 4.7 star rating
- Modern technology stack using Kotlin and Firebase for tracking user behavior, trends and predictions

CrimsonBase, Utrecht, The Netherlands   **2007–2014**

Co-founder & software engineer

- Bioinformatics company, Dutch private limited
- Responsibilities:

* Desktop bioinformatics software engineer using Standard Widget Toolkit (SWT), Java Native Interface (JNI) and Java Native Access (JNA)

* Full-stack developer of corporate website, webshop and software licensing server

- Development of genetic research application *QuickGene*
  * Cross-platform delivery with automatic updating and bulk licensing
  * Feature-driven development

Leerwinkel.nl, The Hague, The Netherlands   **2011**

Full-stack developer

- Full-stack developer of webshop
  * ASP.NET using the MVP architecture
  * VB.NET & MSSQL back-end on Windows Server 2008
  * Front-end modular components with JavaScript & CSS
  * Continuous integration using Jenkins with automatic deployment onto a staging environment
- Implemented back-end communication to third parties, including payment providers and distribution and logistics services

TECHNICAL SKILLS Vast experience with the following technologies:
- Java, Kotlin, ECMAScript (ES9), C#, C, C++, PHP, VB.NET
- GQL, SQL, in particular SQLite, MySQL, MSSQL
- (X)HTML & XML, XUL, Actionscript, JavaScript
- Gradle, Ant, Python, shell/batch scripting
- Git, Mercurial, SVN
- Android Studio, Eclipse, Microsoft Visual Studio

Extensive experience in:
- Hardware and software in networking and information technology
- Video production, cinematography and post-production

Limited experience with the following technologies:
- Haskell, Lisp & CLIPS, Prolog, Pascal, Maven

Mathematical expertise: Linear algebra, probability, random variables, stochastic processes, Euclidean geometry, Newtonian mechanics, neural networks.

PROFESSIONAL SKILLS
Familiarity with feature-driven agile development (FDD) and the scrum methodology.
Client acquisition, expectation management and engineering leadership.
Conference speaker for Pixplicity since March 2010.
Event organizer and community volunteer of Google Developer Groups.

EDUCATION   **Utrecht University**, Utrecht, The Netherlands   **2003–2011**

M.Sc., Game and Media Technology (not completed)   August 2011

- Thesis Topic: *User-aware sensor-based interaction with handheld mobile devices*
- Area of Study: Multimedia Systems and Technologies

B.Sc., Computer Sciences   February 2007

- Specialization in artificial intelligence

ACADEMIC EXPERIENCE	**Utrecht University**, Utrecht, The Netherlands

Graduate Student **2007–2011**

- Master thesis   August 2009 to August 2011
  Topic: *User-aware sensor-based interaction with handheld mobile devices*
  Advisors: Asst. Prof. Wolfgang Hürst and Asst. Prof. Robby Tan
- Experimentation project   April 2008 to August 2009
  Topic: *Motion capture-aided mobile user interface analysis*
  Advisor: Asst. Prof. Wolfgang Hürst
  Developed, implemented and evaluated mobile interaction models using a motion capture lab as an analysis tool.

Undergraduate Student **2003–2007**

- Image processing   December 2006 to February 2007
  Developed, implemented and evaluated viability of using neural networks as a computer vision analysis tool.
- Software project   February to July 2005
  Worked to implement automation of the student sailing organization, U.S. Histos, introducing a IVR- & web-based scheduling and rental system.
- Conveyance of computer science research   December 2004 to February 2005
  Researched engineering specifications of GPS; surveyed in paper.

RESEARCH INTERESTS	Image processing, computer vision, scene analysis, mobile user interfaces, mobile human interaction, machine learning.

SERVICE & ACTIVITES	**GDG DevFest NL** **2014 to 2017**

Conference co-organizer
- Organizing a reknowned conference on Google technologies
- Making arrangements for travel and accomodation for domestic and international speakers
- Opening the event, general crowd control, session moderation

GDG The Dutch Android User Group   **2014 to 2017**

Chairman, co-organizer
- Finding sponsorship opportunities to ensure that meetups are free and members are provided with dinner and goodies
- Making arrangements for international speakers and community contributors to give content to events
- Hosting workshops, hackathons and giving my own sessions
- Engaging with developers in person and through social media to drive up attendance

Active member of the group since 2012, participating at meetups by providing insight and suggestions to fellow Android engineers

Conference speaker   **2010 to present**

Spoke at over 30 internationally renowned mobile conferences, including:
Droidcon Amsterdam, NYC, Berlin, Greece, Paris, NorDevCon/MobDevCon, Big Android BBQ Europe, mdevcon, DevFest NL, Android Developer Days Ankara and smaller events such as GDG meetups throghout Europe

LANGUAGE SKILLS	Native English and Dutch speaker. Novice French, German and Portuguese speaker.