Maciej Lis

about

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programming

CSS3 & HTML5
JavaScript
Python
Bash
Java
C

back-end

Express
Node.js
Django
Flask
Play!

databases

MongoDB
MySQL
Redis

hackathons attended

Windows 8 pure Imagination
Linkedin toronto hackday
NASA Space Apps Challenge
Next 36 Wearable Computing Hackathon
UofT Hacks
Yale Hacks 2013
CS Games 2014
PennApps X
Hack the North

education

from 2011 — **BSc** Computer Science — expected graduation 2016
York University, Toronto, ON

work experience

from 9/14 — **Lead web developer at Excalibur Newspaper** — Toronto
- Responsible for maintenance, security, upgrades, and developing/adding new features to the WordPress site, hosted on a CentOS server. excal.on.ca.

from 2013 — **Freelance Web Developer** — Toronto
- Worked with clients to create personalized web applications for their business.

2013 — **University Information Technology at York University** — Toronto
- Assisting York University faculty, staff and students resolve issues with accounts.
- Provide technical assistance with computing devices and networks.
- Filing tickets with Remedy.

university activities

Computer Science Club Technical executive — since 2013
- Part of core team re-establishing the club at York.
- Developed mini social network site for the club. Over 160 registered and active users. www.cshub.ca.
- System administrator: Setup, and manage local servers hosting clubs website.
- We organize hackathons, 'tech talks' and tutorials for members.

York University Rover Team Senior/travelling developer — 2011-2013
- Competing in the NASA Lunabotics Mining Competition (Florida), University Rover Challenge (Utah), and Innovation Nation 2013 (Hamilton, Ontario).
- Developed tilt sensor widget for driver GUI
- Built and set-up 900mhz router for long distance communication with Rover.
- Developed "plug'n automatically stream" video daemon for On Board Computer, for hassle free video streaming.
- Compiling/testing various applications. (GStreamer, Robot OS, Linux images)
- Designed and developed team webpage with a group of 2 other friends. Visit it at roverteam.cs.yorku.ca.
- System administrator: Setup and manage local servers hosting team's wiki.

projects

www.openyorku.com unofficial RESTful API for YorkU from 2014

- Scrapes various parts of York Univerities web site, populating a database, and making it easily available via a RESTful API.
  Built with JavaScript + Node.js, Python, and MongoDB. Hosted on Heroku.

www.cshub.ca York's computer science club site: a mini social network from 2013

- Designed, built, and deployed site, used by over 160 students.
- Users are free to signup, create accounts, edit profiles, comment on events, confirm whether or not they're going, and earn badges!
- Admins may create new events, notifications, manage home page images, and edit user accounts.
  Built with Python + Django, JavaScript + sigma.js, Bash, MySQL, Redis

www.perfectresu.me Social resume rating/inspiration app from 2014

- Users upload their resumes, to have others rate, and comment on it. Filter resumes by tags, to find one that suits exactly what you're looking for.
  Built with JavaScript + Node.js, MongoDB. Hosted on AWS EC2.

more projects

- QRi-Fi: Connect to WiFi hotspots by scanning a QR Code. *built with Python*
- at.me: Turning humans into ATM's. *built with JavaScript + Node.js*
- Wander Tower Defence:. A tower defense game, that's highly customizable - allowing users to create their own levels, waves, and towers. *built with Python + PyQT*
- Red marble: A game that features an environment that represents the weather patterns of Mars. Players must survive the elements, and build structures in hopes of colonizing the planet. *built with Python + PyQT*
- PixPocket: Web application providing users with an intuitive and easy-to-use engine for transforming their own design into a printable paper wallet template. *built with JavaScript*
- Spider Streamer: Automatically sets up an rtsp server, and streams, for every camera plugged in to a robots On Board Computer. Easy plug'n'play use. *built with Python, C, udev, and GStreamer*
- Homemade 900Mhz Router: Built a router essentially from scratch, allowing communication with a robot over long distances using 900Mhz. *built from an alix board, and Bash*
- XNAT.org Windows 8 app: Created an intuitive frontend for the XNAT.org site using their API. *built with JavaScript*

awards and achievements

- 8th place at the 2013 NASA Lunabotics mining competition. *York University Rover Team Member*
- 1st place at the 2012 University Rover Challenge. *York University Rover Team Member*
- Best Use of Financial API at University of Toronto 2013 Hackathon. Presented by Orbis. *at.me project*
- Most Creative Service App at University of Toronto 2013 Hackathon. Presented by Microsoft. *at.me project*
- Finalist at Linkedin Toronto Hackday 2013. *PixPocket project*