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Basile Nouvellet

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Education

Master's degree	**Ponts ParisTech**	**2016–2020** / *Paris, France*

- **Major**: Financial Engineering
- **Minor**: Computer Science
- **Coursework** (GPA: 3.77): Software Development, Corporate Finance, Statistics, Entrepreneurship, Theory of Games, Financial Market, Operational Research.

Preparatory class	**Lycée Aux Lazaristes**	**2014–2016** / *Lyon, France*

Intensive and hard working preparatory class for the *Grandes Écoles d'Ingénieur* entrance exam on mathematics, physics and engineering science.

Employment

Full Stack Developer, Intern	**Adactive**	**July 2018–Jan 2019** / *Singapore*

Build custom Web Apps for malls & airports touch-enabled screens (with React & Electron), to offer 3D wayfinding services inside buildings.

- Integration with APIs (RESTful) such as Google Maps and Singapore Bus Network to display live data
- Deployment to AWS S3 servers
- Optimize app performance to fit hardware specifications (leveraging Redux pattern, asynchronous code with Sagas)
- Build a server for synchronizing advertisement medias on 6 different screens (with Express)

Computer Teacher	**Update You**	**Jan 2017–July 2018** / *Paris, France*

Teach computer usage and resolve technological issues at my clients home, during missions as a self-entrepreneur in a French tech start-up. About 15 missions (~10 different clients).

Freelance Full Stack Developer	**Town Hall of Paris**	**March–Dec 2017** / *Paris, France*

Develop a website for an automatic ID card reader based on computer vision and NLP (natural language processing), in partnership with the Junior Enterprise of my engineering school.

Software Projects

Personal website: https://basile.nouvellet.com (for additional information and projects)

Crypto-currency price forecasting

– Price forecasting of Bitcoin, Ethereum and other crypto-currencies based on tweets published by influencers on Twitter, using machine learning and data science. In partnership with Quantmetry, a French data consulting firm.
– *Python, Scikit-Learn, Pandas*

Front End development

– Implement multiple users management section in the web app of Harvestr, a French tech start-up.
– *HTML, CSS, Typescript, Angular*

Automatic slides generator

– Generator that automatically convert a Word document into a PowerPoint presentation. In partnership with the Boston Consulting Group.
– *Python, XML*

Additional Experience and Awards

- **First Prize, Une Nuit pour Entreprendre 2017:** Member of the winning team of *Une Nuit pour Entreprendre* at Ponts ParisTech, a sleepless night competition where we created a start-up and pitched it in front of a jury in the morning. Coached and challenged by entrepreneurs and professionals. Our start-up was about a geolocalized public urban lightning.
- **Worker (Summer 2017):** Multitask worker on the Pogo Structures shipyard, the leading race sailing boat builder located in Brittany, France.

Skills

- **Languages:** French (*mother tongue*), English (*fluent*), Spanish (*intermediate*)
- **Software:** (*proficient*:) JavaScript, HTML, CSS, React, (*intermediate*:) C++, Python, R (*familiar*:) Typescript, Angular
- **Technologies:** Webstorm, Git, Github, Electron, NodeJS, Jest, Enzyme, CircleCI, Pandas, Scikit-Learn