

# Michael Fivis

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## Education

**Department of Informatics, University of Oslo**

**BSc Informatics**, scheduled completion Spring 2019

- *Concentration: Programming and System Architecture*

**Hunter College, City University of New York**

**BA Urban Studies**, 2014

- *Special focus on GIS data, statistics & demographic research*

## Skills

Strongest programming language competencies: Java, Python, C, R  
English, Norwegian

## Personal Projects

**"when-to-go" transit signage for the home**

*Transit data scraper combined with IoT kit hardware (currently a Raspberry Pi board with wire-wrapped character display) which displays live Ruter bus/tram arrival countdown times by our front door. Software implemented in Python/Flask.*

**cdo - a minimalist todo-list solution**

*GTD (Getting Things Done) software comprised of a micro C client and a mobile client for synched task management. Inspired by the todo.txt project.*

## Relevant Experience

**Nasjonalbiblioteket**, Oslo, Norway

*Project ("In spe: Barnleg kunst" - 2017)*

2017

- Developed and installed locked-down web app for exhibition hall iPads

**MTA - New York City Transit**, Brooklyn, New York

*Infrastructure Analysis Aide, Department of Subways*

2013

- Developed R (ggplot-based) visualization workbooks for rail defect investigation
- Published defect and track hardware geocoding reports
- Integrated Track Geometry, Sperry car and manual inspection data for analysis

**Project: Affordable Housing in New York (ISBN: 978-0691167817)**

*Interviewer/Researcher*

2013

- Constructed GIS database to augment aerial imagery of NYC public apartment developments
- Conducted and recorded resident interviews about personal histories and housing

**B&H Photo Video**, New York, New York

*Copyeditor / Apple products repair*

2007 - 2009

- Repaired Macintosh computers to specification
- Edited computer product catalog texts

*References available upon request.*