

```
{
  "name": "David Binns",
  "overview": "I am a JavaScript developer enthusiastic about data visualisation with extensive experience in the browser and Node.js",
  "contact": {
    "email": "dbinns.web+cv@gmail.com",
    "phone": "+447919445300"
  },
  "employment": [
```

```
{
  "name": "GeoSpock",
  "when": ["2016-11", "current"],
  "role": "Principal software engineer for visualisation in geospatial big data analysis platform",
  "projects": {
    "visualisation": "Working in a team to produce a high performance interactive visualisation of geotemporal data",
    "integrations": "Integrating BI tools and 3D visualisation libraries with the GeoSpock database"
  },
```

```
  "experience": {
    "javascript": "Developing with cutting edge JavaScript using Babel to ensure browser compatibility",
    "testing": "Authoring an end-to-end automated UI test suite, using Puppeteer and Jenkins",
    "react": "Developing a complex modularised React user interface driven by Redux",
    "mapbox": "Rendering and loading custom datasources into map views",
    "webgl": "Authoring and optimizing shaders",
    "node.js": "Architecting a REST and GraphQL service hosted in AWS",
    "graphql": "Writing resolvers and queries to connect cloud services to an administration interface",
    "team": "Working at different times in scrum teams and individually",
    "code": "Using pull requests, code reviews and maintaining CI"
  },
```

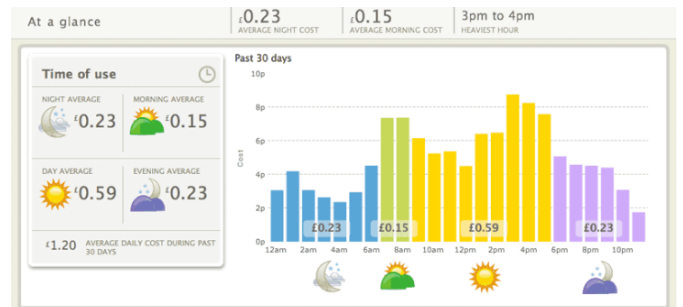
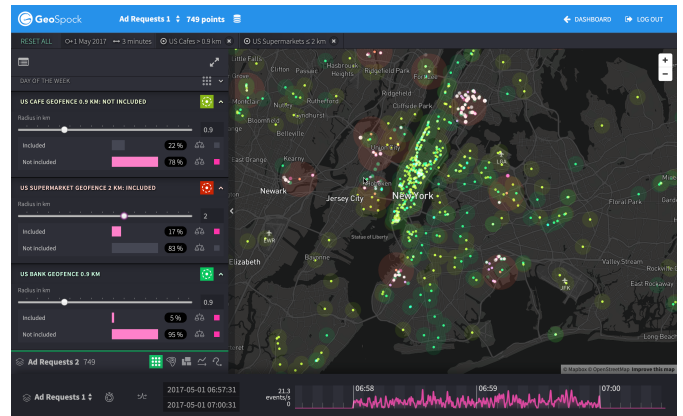
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  "image": ["/images/geofencing.png", "Geofence filtering of geographic data in Data Explorer"]
}, {
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```
  "name": "Hive (AlertMe / Centrica)",
  "when": ["2011-01", "2016-11"],
  "role": "Front end senior software engineer for the Hive home automation platform",
  "projects": {
    "ui": "Developing a web interface and REST API in PHP, Python and JavaScript for controlling a wide range of devices",
    "sre": "Improving network reliability and security for devices in customers' homes"
  },
```

```
  "experience": {
    "vcs": "Git, mercurial and subversion, including leading the migration from subversion to git",
    "javascript": "Large scale user interface engineering with jquery",
    "network": "Debug and diagnosis at the packet level on embedded hardware and in the cloud"
  },
```

```
  "image": ["/images/alertme.png", "The smart home web dashboard showing energy usage over time"]
}, {
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```
  "name": "Node.js and J2ME contracting",
  "when": ["2010-11", "2010-12"],
  "role": "Developing a Node.js server side application and J2ME client application for text entry to be deployed in developing countries"
}, {
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"name": "European Bioinformatics

Institute",

"when": ["2001-11", "2010-10"],

"role": "Senior Software - web development",

"projects": {

"InterPro": "Developing the Oracle backed InterPro protein classification browser",

"GOA": "Implementing the QuickGO Gene Ontology and annotation browser and editor"

},

"experience": {

"java": "Database access, servlet and graph visualisation",

"javascript": "Interactive database browsing in HTML and SVG",

"oracle": "Optimizing database access for real time queries and batch processing"

},

"image": ["/images/quickgo.png", "A graph rendering of the hierarchy of terms in the Gene Ontology"]

}, {

"name": "Unigraphics",

"when": ["2001-06", "2001-10"],

"role": "Working on a web front end for product data management software, in C++ and JavaScript"

}, {

"name": "Apama",

"when": ["2001-02", "2001-05"],

"role": "Working in Java and SQL to develop location aware applications"

}, {

"name": "International Nepal Fellowship",

"when": ["2000-11", "2001-02"],

"role": "Voluntary work in Nepal with a Christian development organisation helping with computer training and maintenance"

},

"education": [

{

"name": "BA, MMath, Mathematics, Queens' College, Cambridge University",

"when": ["1996", "2000"],

"result": "II.1, Merit"

}, {

"name": "Hymers College, Hull",

"when": ["1989", "1996"],

"result": "10 GCSEs at grade A/A*, 5 A-levels at grade A"

},

"about": {

{

"volunteering": "I am a Christian and volunteer with Friends International to run events to welcome international students to Cambridge",

"recreation": "I enjoy recreational programming and have been mostly working in JavaScript on the web and on NodeJS on Linux. The house heating system runs on Raspberry Pis with software I have written.",

"image": ["/images/thermostat.png", "UI for house thermostat"]

},

"links": {

{

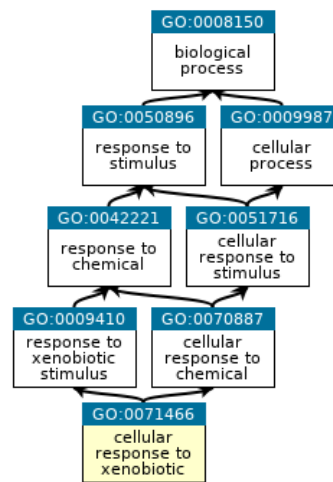
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"PDF": "[https://cv.davidb.uk/CV.pdf](\"https://cv.davidb.uk/CV.pdf\")",

"HTML": "[https://cv.davidb.uk/](\"https://cv.davidb.uk/\")",

"Github": "[https://github.com/dwbinns/cv](\"https://github.com/dwbinns/cv\")"

},



QuickGO - <https://www.ebi.ac.uk/QuickGO>

